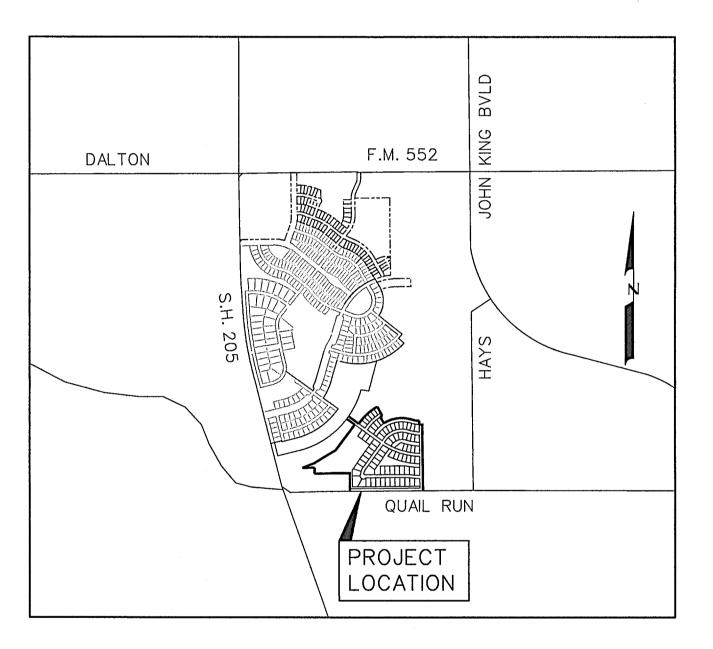
DEVELOPMENT PLANS

FOR

STONE CREEK PHASE VII

CITY OF ROCKWALL, TEXAS



PREPARED FOR

MERITAGE HOMES OF TEXAS, LLC.

909 HIDDEN RIDGE, SUITE 190, IRVING, TEXAS 75038

CORWIN ENGINEERING, INC. —— CONSULTING ENGINEERS

200 W. BELMONT, SUITE E

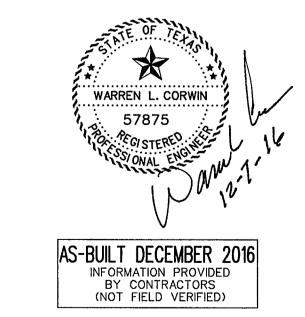
TBPE FIRM #5951

ALLEN, TEXAS 75013

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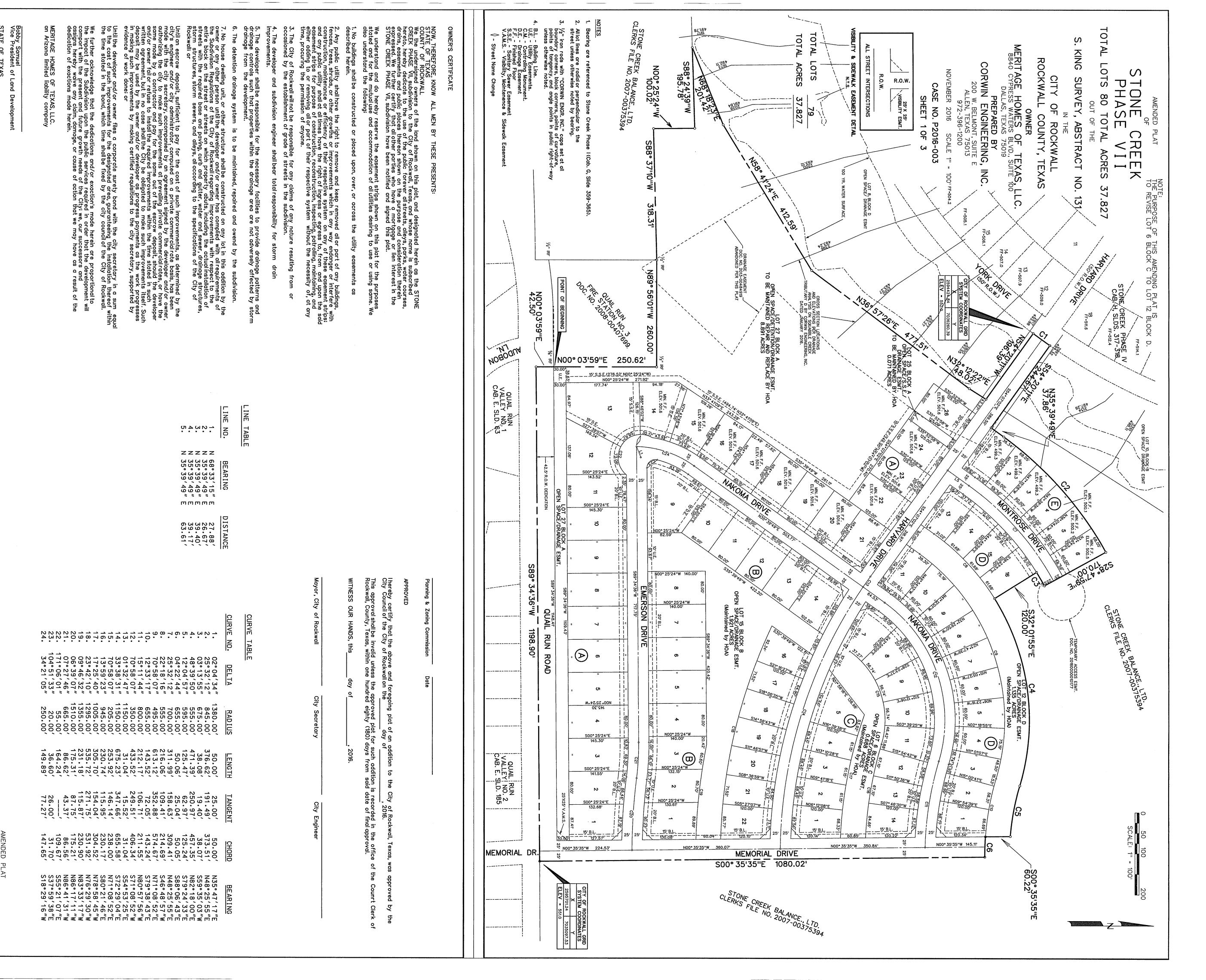


BENCHMARK:

CITY OF ROCKWALL SURVEY MONUMENT ON AN INLET AT THE NORTHWEST CORNER OF FEATHERSTONE DR. AND HARVARD DR. ELEV. 525.31

NOTE:
CITY OF ROCKWALL STANDARDS
AND NCTCOG 3rd ADDITION STANDARDS
SHALL BE USED FOR REFERENCE.

3	CONSTRUCTION SET	4-4-16
2	CITY COMMENTS	3-30-16
1	CITY COMMENTS	1-11-16
NO.	REVISIONS	DATE



S.H. 205

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OCKWALL

ABSTRACT

NO

PREPARED BY
ENGINEERING, I
ENGINEERING, I
W. BELMONT, SUITE E
LEN, TEXAS 75013

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TEXAS, VD., SUITE 1

JOHN KING BVLD

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THENCE, South 88°24'39" West, for a distance of 195.78 feet to a 1/2 inch iron rod set with a yellow cop stamped with Commit Eng. Inc., being in the south line of Stone Creek Phase IV, being an addition to the City of Rockwallas described in Codinic Lip. Design in the south line of Stone Creek Phase IV, being an addition to the City of Rockwallas described in Codinic Lip. Design 517°-351, in the Plat Records of Rockwall County, Texasi.

THENCE, North 58° 4124" East, continuing with said south line for a distance of 412.59 feet to a 1/2 inch iron rod set with a yellow cap stamped with Cowin Eng. Inc.;

THENCE, North 36° 5726" East, continuing with said south line for a distance of 412.59 feet to a 1/2 inch iron rod set with a yellow cap stamped with Cowin Eng. Inc.;

THENCE, North 36° 2722" East, continuing with said south line for a distance of 480.35 feet to a 1/2 inch iron rod set with a yellow cap stamped with Cowin Eng. Inc.;

THENCE, North 54° 2017" West, continuing with said south line for a distance of 480.35 feet to a 1/2 inch iron rod set with a yellow cap stamped with Cowin Eng. Inc.;

THENCE, North 54° 2017" West, continuing with said south line for a distance of 480.35 feet to a 1/2 inch iron rod set with a yellow cap stamped with Cowin Eng. Inc.;

THENCE, North 54° 2017" West, continuing with said south line for a distance of 196.35 feet to 3/2 inch iron rod set with a yellow cap stamped with Cowin Eng. Inc.;

THENCE, with 54° 2017" East, departing said York Drive right-of-way and along the south line of said Stone Creek Phase IV, and continuing for a totadistance of 24.4.67 feet, to a 1/2 inch iron rod set with a yellow cap stamped with Cowin Eng. Inc.;

THENCE, South 55° 35'49" East, for a distance of 37.86 feet to a 1/2 inch iron rod set with a yellow cap stamped with Cowin Eng. Inc.;

THENCE, with said curve to the right for an arc distance of 376.52 feet, (Chord Bearing IV 64.57 feet,) or a contractionage of 25° 35'20.

THENCE, such 26° 47'59" East, for a distance of 170.00 feet to a fort of t THENCE, with said curve to the left for an arc distance of 38.08 feet, (Chord Bearing S 59° 35'03" W - 38.07 feet), to a ½ inch iron rod set with a yellow cap stamped with Corwin Eng. Inc.;
THENCE, South 32° 01'55" East, for a distance of 120.00 feet, to a ½ inch iron rod set with a yellow cap stamped with Corwin Eng. Inc., being on a curve to the right having a radius of 555.00 feet, a tangent of 250.97 feet and a centrangle of 48° 39'50"; THENCE, with said curve to the right for an arc distance of 471.39 feet, (Chord Bearing N 82° 18'00" E - 457.35 feet), a local inchiron rod set with a yellow cap stamped with Corwin Eng. Inc., being at the point of reverse curvature of a curvature of color feet, a tangent of 62.97 feet and a central angle of 12° 04'57";

THENCE, with said curve to the left for an arc distance of 125.47 feet, (Chord Bearing S79° 24'33" E - 125.24 feet), to a ½ inch iron rod set with a yellow cap stamped with Corwin Eng. Inc.;

THENCE, South 00° 35'35" East, for a distance of 60.22 feet, to a ½ inch iron rod set with a yellow cap stamped with Corwin Eng. Inc., being on a curve to the left having a radius of 655.00 feet, a tangent of 25.04 feet and a central angle of 04° 22'44"; WHEREAS, MERITAGE HOMES OF TEXAS, LLC., is the owner of a tract of land situated in the S. King Survey, Abstract No. 131 in the City of Rockwall County, Texas, being all of a 37.782 acre tract, Clerks File No. 20150000013037 in the Deed Records of Rockwall County, Texas, and being more particularly described as follows:

BEGINNING, at a 5% inch iron rod found at the southeast corner of the Quail Run Fire Station No. 3, as described in Doc. No. 2008-00407699 in said Deed Records:

THENCE, North 00°03'59" East, along the east line of said Quail Run Fire Station No. 3, for a distance of 250.62 feet, to a 1/2 inch iron rod found with a yellow cap stamped with Corwin Eng. Inc., being at the northeast corner of said Quail Run Fire Station No. 3; ing S 88°06'43" East - 50.05 feet), THENCE, North 89° 56'01" West, along the north line of said Quail Run Fire Station No. 3, for a distance 260.00 feet, to a ½ inch iron rod found with a yellow cap stamped with Corwin Eng. Inc., being at the northwest corner of said Quc Run Fire Station No. 3 Tract;

THENCE, South 88° 37'10" West, for a distance of 318.31 feet to a ½ inch iron rod set with a yellow cap stamped with Corwin Eng. Inc.;

THENCE, North 00° 25'24' West, for a distance of 100.02 feet to a ½ inch iron rod set with a yellow cap stamped with Corwin Eng. Inc.; THENCE, with said curve to the left for an arc distance of 50.06 feet, (Chord Bearing S 88° 06'43" East - 50.05 feet) to a ½ inch iron rod set with a yellow cap stamped with Corwin Eng. Inc.;

THENCE, South 00° 35'35" East, for a distance of 1080.02 feet, to a ½ inch iron rod set with a yellow cap stamped "Corwin Eng. Inc.", being in the south line of said Stone Greek Balance tract and being in the north line Quall Run Valley No. 2, an addition to the City of Rockwall, as described in Cab. E, Pg. 185, in said Plat Records:

THENCE, South 89° 34'36" West, continuing along said north and south lines at 826.67 feet, passing the northwest corner of Quail Run Valley No. 1, an addition to the City of Rockwall, Texas, as recorded in Cab. E, Slide 63 in said Plat Records and continuing for a total distance of 1198.90 feet, to a ½ inch iron rod set with a yellow cap stamped Corwin Eng. Inc.;

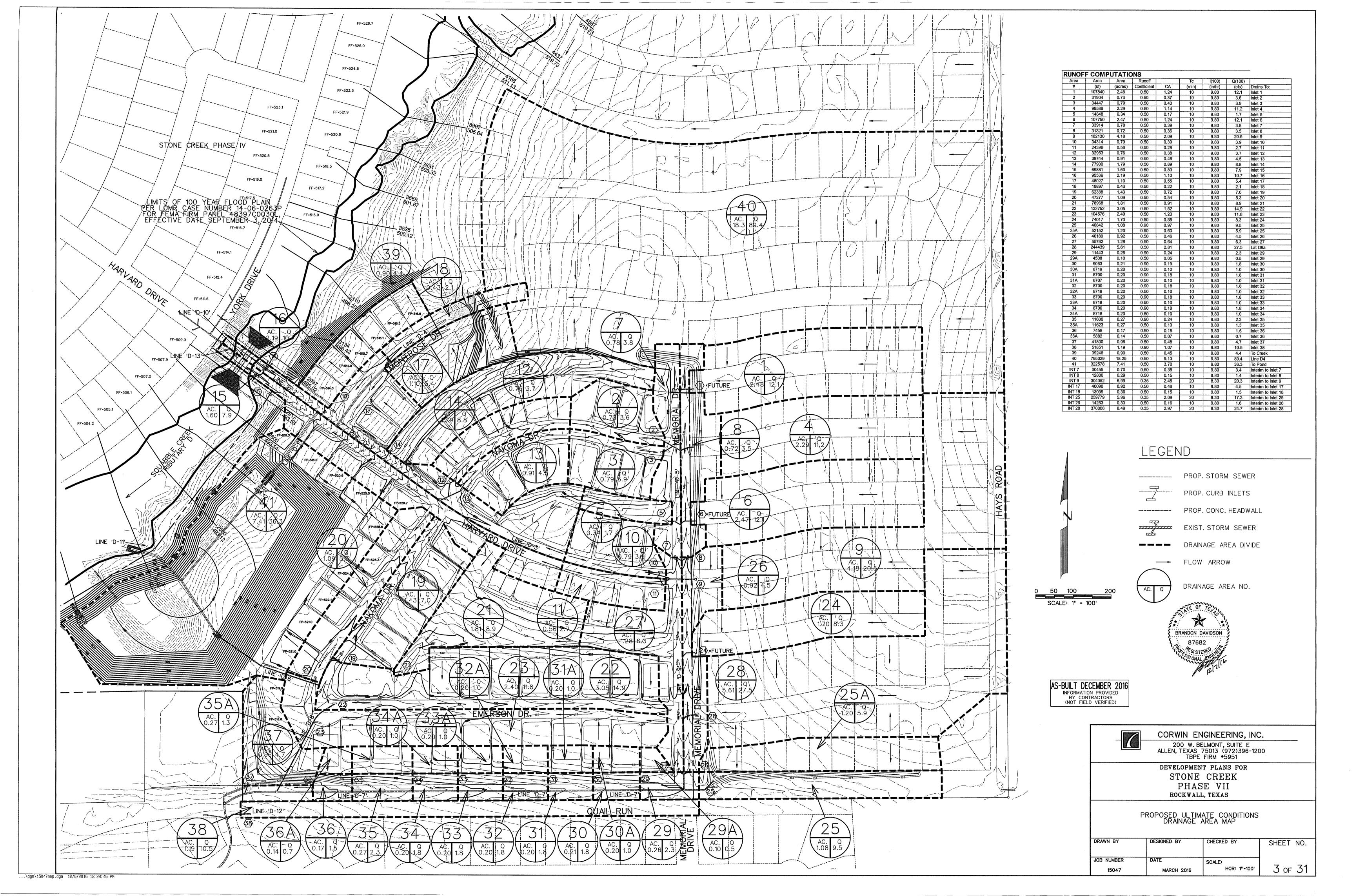
THENCE, North 00° 03'59" East, departing the north line of said Quail Run Valley No. 1, for a distance of 42.50 feet to the POINT OF BEGINNING and containing 37.827 acres of land.

cary Public in and for the State of Tex ne to be the person whose name is so he executed the same in the capacity

STONE PHASE

37.82 KING SURVEY, ABSTR
IN THE
CITY OF ROCKY
ROCKWALL COUNTY LOTS TOTAL

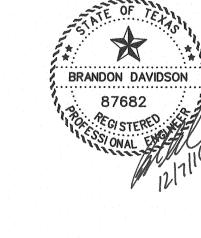
MERIT AGE 8840 CYPRI



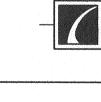
Upstream	Downstream	Distance	AREA	ATIOI Total Area	Picked Up		Accumu	ated Tc	Design Ston	m I	TQ	T s	Pipe Size	Partial	Velocity	Flow Time	Velocity Head	Junction	K	Time at n/s	MinorLosson	Hydraulic Grade	Hydraulia Grad	e Proposed
Station	Station	(ft)	NO.	(Acres)	(Acres)	C CA	CA CA	(Min)	(Years)	(in/hr)	(CFS)	(ft/ft)	(in)	Flow?	(fps)	(Min)	(ft)	Type		(Min)	(ft)	Upstream	Downstream Downstream	
5+74.20 3+46.00	3+46.00	228.20	D2.D3	43.17	43.17 0	.50 21.5	8 21.5	3 13.17	100	9,32	201.3	0.0036	66	Yes	11.6	0.33	2.09	МН	1.00	13.50	2.09	499.70	500.52	
ine D2 1+77.26 0+00.00	0+00.00	177.26	D2A, D2B	3.80	4.02 0	.50 2.0	1 2.01	10.00	100	9.80	19.7	0.0076	24	No	6.3	0.47	0.61	МН	1.00	10.47	0.61 1.48	502.00	503.34 500.52	502.73
at D2a 0+17.90 0+00.00	0+00.00	17.90	15	1.60	1.60 0	.50 0.8	0 0.80	10.00	100	9.80	7.9	0.0012	24	No	2.5	0.12	0.10	Inlet	1.25	10.12	0.12	504.00	503.88	505.32
at D2b 0+17.90	0+00.00	17.90	16	2.19	2.42 0	.50 1.2	1 1.21	10.00	100	9.80	11.9	0.0027	24	No	3.8	0.00	0.61	Inlet	1.00	10.08	0.51	503.86 504.06	503.34	505.32
0+00.00 ine D3 1+22.57	10+87.57	35.00	9	4.18	4.18 0	.50 2.0	9 2.09	10.00	100			A 000F			6.3	0.00	0.61		1.00	0.00	0.39	503.73	503,34	
0+87.57 0+28.01	10+28.01	59.56 8.28	D5 D3A	10.60	10.60 0	*************************************	0 7.39	11.60 11.71	100 100 100	9.80 9.56 9.54	70.6 73.2	0.0025 0.0073 0.0079	30 39 39	No No	4.2 8.5 8.8	0.14 0.12 0.02	0.27 1.13 1.21	Inlet MH 60° Wye	1.25 1.00 0.50	10.14 11.71 11.73	0.86 0.65	527.49 527.06 525.77	527.15 526.21 525.13	527.78 529.60 525.91
0+19.73 3+99.54	2+12.20	620.19 187.34	D3B D3C	0.79		.50 0.3 .50 0.7		11.73 12.85	100 100	9.54	76.9 82.3	0.0087	39 39	No Yes	9.3 17.3	1.11 0.18	1.33 4.65	60° Wye 60° Wye	0.50	12.85 13.03	0.73	525.06 518.95	524.33 516.11	530.64 529.94
2+12.20 0+62.33	0+62.33 0+00.00	149.87 62.33	D3E D4	1.79 19.79	1.79 0. 19.79 0.	.50 0.8 .50 9.8		13.03	100	9.35 9.32	90.5 182.5	0.0120	39 48	Yes No	17.6 14.5	0.14	4.81 3.28	60° Wye	0,50 1,00	13.17	2.49	514.24 509.96	511.76 507.01	
0+00.00 at D3a 0+17.86	0+00.00	17.86	11	0.56	0.56 0	E0 0 2	8 0.28	10.00	100	8 20					11.6	0.00	2.09		1.00	0.00	0.00	506.00	500.52	
0+00,00 at D3b				0.36	0.30	, 30 0,2	0.20	10.00	100	9.80	2.7	0.0007	18		8.8	0.19	0.04 1.21	Inlet	1.25 1.00	0.00	0.05 1.17	526.36 526.30	526.31 525.13	529.91
0+17.94 0+00.00 at D3c	0+00.00	17.94	10	0.79	0.79 0	.50 0.3	9 0.39	10.00	100	9.80	3.9	0.0014	18		2.2 9.3	0.14 0.00	0 07 1.33	Inlet	1.25 1.00	10.14 0.00	0.09 1.26	525.71 525.59	525.62 524.33	530.20
0+60.85 0+25.62	0+25.62 0+00.00	35,23 25,62	13 D3D	0.91	0.91 0. 0.53 0.	.50 0.41			100	9.80	4.5	0.0018	18 18		2.5	0.23 0.11	0.10 0.25	Inlet 60° Wye	1.25 0.50	10.23	0.12	521.01 520.82	520.88 520.62	530.19
0+00.00 at D3d															17.3	0.00	4.65	00 Wye	1.00	0.00	4.40	520.51	516.11	
+32.82 +00.00 at D3e	0+00.00	32.82	12	0.76	0.53 0.	.50 0.2	7 0.27	10.00	100	9.80	2.6	0.0006	18		1.5 4.0	0.37	0.03 0.25	Inlet	1.25 1.00	10.37 0.00	0.04 0.21	520.90 520.84	520.86 520.62	529.94
0+34.34 0+10.00	0+10.00 0+00.00	24.34 10.00	14 Bend	1.79	-	.50 0.8°		10.00	100 100	9.80	8.8	0.0070	18		5.0	0.08	0.38 0.38	Inlet 30° Bend	1.25	10.08	0.48	516.90 516.26	516.43 516.26	521.00
0+00.00 ine D4	0.15.00	000 00													17.6	0.00	4.81		1.00	0.00	4.43	516.19	511.76	
4+95.00 2+15.28	2+15.28 1+90.81	279.72	32 D4D	18.25 0.43	0.43 0.	.50 9.1 .50 0.2	2 9.34	10.00 10.44	100	9.80	90.9	0.0039	48	Yes Yes	10.5	0.44	1.71 1.71	Headwall 60° Wye	1.00 0.50	10.44 10.48	1.71 0.86	514.03 511.24	512,32 510.38	***
+90.81 +00.00 at D4c	0+00.00	190.81	D4C	1.10	1.10 0.	50 0.5	5 9.89	10.48	100	9.73	96.2	0.0045	48	Yes	12.3 14.5	0.26	2.35 3.28	60° Wye	0.50 1.00	10.74 0.00	1.49 0.93	510.28 507.93	508.79 507.01	
+17.97 +00.00	0+00.00	17.97	17	1.10	1.10 0.	.50 0.5	5 0.55	10.00	100	9,80	5.4	0.0026	18		3.1	0.10 0.00	0.15 1.71	Inlet	1.25	10.10	0.18 1.57	512.18 511.95	511.99 510.38	514.99
at D4d	0+00.00	17.83	18	0.43	0.43 0.	.50 0.2	2 0.22	10,00	100	9.80	2.1	0.0004	18		1.2	0.25	0.02	Inlet	1.25	10.25	0.03	511.15	511.12	515.16
+00.00 ine D5 +38.38	5+05.38	33.00	1	2.48	2.48 0.	50 1.2		10.00			<u> </u>				12.3	0.00	2.35		1.00	0.00	2.33	511.12	508.79	0.00
+05.38	3+41.20 1+49.75	164.18	MH D5A, D5C	0.00	0.00 0.	50 0.0	0 1.24	10.00 10.14 10.85	100	9.80	12.1	0.0029	24	No No	3.9	0.14	0.23	r Print to recent the best access to the print printing and a printing and in the latest	0.50 1.00	10.14 10.85	0.12 0.23	532.51	532.61 532.28	
+49.75	1+43.75 0+49.46	6.00	D5D D5E	2.47	2,47 0.	50 1.2	4 4.19	11.40	100	9.67	40.2	0.0048	30	No No	5.8 8.2	0.55 0.01	0.53 1.04	60° Wye	0.50 0.50	11.40 11.41	0.41 0.78	531.81 530.47	531.40 529.70	
+49.46	0+00.00	49.46	D5F,D5G	1.50		50 0.9	-	11.60	100	9.59	50.7	0.0104	30	No No	8.5 10.3	0.18	1,13	60° Wye	0.50	11.60 11.68	0.61	529.64 528.05	529.03 526.96	
at D5a +60.69	0+23.80	36.89	2	0.73	0.57 0.	.50 0.2	9 0.29	10.00	100	9,80	2.8	0.0007	18		1.6	0.00	1.13		1.00	0.00	0.00	526.21	526,21	
+23.80 +00.00	0+00.00	23.80	D5B	0.79	nematic representation and approximate the party of the second second	50 0.2		10.39	100	9.74	5.6	0.0028	18		3.2	0.39 0.13 0.00	0.04 0.15 0.53	Inlet 60' Wye	1.25 0.50 1.00	10.39 10.51 0.00	0.05 0.13 0.37	532.05 531.97 531.77	532.00 531.84 531.40	533.61
+32.27 +00.00	0+00.00	32.27	3	0.79	0.57 0.	50 0.2	9 0.29	10.00	100	9.80	2.8	0.0007	18		1.6	0.34	0.04	Inlet	1.25	10.34	0.05	532.03	531.98	533.50
at D5c +36.66	0+00.00	36.66	4	2.29	2.29 0.	50 1.1	4 1.14	10.00	100	9.80	11.2	0.0007	30		3.2	0.00	0.15	Inlet	1.00	10.27	0.12	531.95 531.97	531.84	
+00.00 at D5d															5.8	0.00	0.53		1.00	0.00	0.44	531.85	531.40	***************************************
+36.34		26.34 10.00	Bend	0.00	anishamanamining and ingressing distinct ment	50 1.24 50 0.00	and the second s	and the particular of the part	100	9.80	12.1	0.0133	18 18		6.9	0.06 0.02	0.73 0.73	Inlet 30° Bend	1.25 0.45	10.06 10.09	0.91 0.00	531.40 530.14	530.49 530.14	532.90
+10.00 at D5e +37.95	0+22.00	15.95	5	0.34	0.34 0.	50 0.1	7 0.17	10.00	100	<u> </u>		5 0000			8.2	0.00	1.04		1.00	0,00	0.31	530.01	529.70	
+22.00	0+00.00	22.00	Bend	0.00		50 0.0	-		100	9.80	1.7	0.0003	18		0.9	0.28	0.01 0.01	Inlet 30° Bend	1.25 0.45	10.28	0.02	530.17 530.15	530.15 530.15	532.90
at D5f +17.90	0+00.00	17.90	8	0.72	0.72 0.	50 0.30	6 0.36	10.00	100	9.80	3.5	0.0011	18		8.5 2.0	0.00	0.06	Inlet	1.00	0,00	0.08	530.15	529.03	F20 6
+00.00 at D5g															10.3	0.00	1.65		1.00	0.00	1.59	528.65 528.56	528.58 526.96	530.84
+17.90 +00.00 ine D6		17.90	2	0.78	1.16 0.	50 0.51	0.58	10.00	100	9.80	5.7	0.0029	18		3.2 10.3	0.09 0.00	0.16 1.65	Inlet	1.25 1.00	10.09 0.00	0.20 1.49	528.71 528.46	528.51 526.96	530.84
+58.27 +39.44	8+39.44	18.83 145.47	21 Bend	1.81		50 0.93 50 0.00		10.00	100	9.80	8.9	0.0072	18	No	5.0	0.06	0.39	Inlet	1,25	10.06	0.49	520.21	519.72	522.00
+93.97	6+79.83	145.47	Bend Bend Bend	0.00	0.00 0.	50 0.00 50 0.00	0.91	10.06	100	9.79	8.9	0.0071	18	No No	5.0	0.48	0.39	45° Bend 45° Bend	0.50	10.55 10.59	0.20 0.19	519.58 518.35	519.39 518.15	
+18.07	5+44.23	73.84	D6A MH	1.43	1.43 0.	50 0.00 50 0.00	1 1.62	10.59	100	9.71	8.8	0.0070	18 21	No No	6.5	0.21	0.39	45° Bend 60° Wye	0.50	10.80	0.19	518.06 517.43	517.86 516.96	_
+22.35	3+60.00	162.35	D6B	1.09	1.09 0.	50 0.54	4 2.16	10.99 11.04	100	9.65 9.64	15.6 20.9	0.0097 0.0085	21 24	No No	6.5	0.06 0.41	0.66 0.68	MH 60° Wye	1.00 0.50	11.04 11.45	0.66 0.36	516.24 515.37	515.58 515.01	
+60.00 +39.18 at D6a	2+39.37	120.63	MH?	0.00	0.00 0.	50 0.00	0 2.16	11.45	100	9.58	20.7	0.0084	24	No	6.6	0.30	0.68		1,00	11.76	0.00	513.63 500.10	501.11	
+18.10 +00.00	TOTAL PROPERTY CONTRACTOR OF THE PROPERTY CONTRA	18.10	19	1.43	1.43 0.	50 0.7	0.71	10.00	100	9.80	7.0	0.0044	18		4.0 6.5	0.08 0.00	0.24 0.66	Inlet	1.25	10.08	0.30	517.76	517.46	519.14
at D6b		9.72	20	1.09	1.09 0.	50 0.5	1 0.54	10.00	100	9.80	5.3	0.0026	18		3.0	0.05	0.14	Inlet	1.00	10.05	0.42	517.38 515.76	516.96 515.58	518.44
00.00+00															6.6	0.00	0.68		1.25	0.00	0.18	515.76	515.58	210.44

] [T 2	***	T amma	T	Test Title	·	—		r				·	-	-	nggan halagi, a man a ke awaraya sinayaya nyuda kiji a	angleste an early target to be a particular.		moderne mente en major, en dels en mandel quagitima de appara en e						
Upstream Station	Downstream Station	Distance (ft)	AREA NO.	(Acres)	Picked Up (Acres)	С	CA	Accumulated CA	Tc (Min)	Design Storm (Years)	(in/hr)	(CFS)	S (ft/ft)	Pipe Size (in)	Partial Flow?	Velocity /foe\	Flow Time (Min)	Velocity Head	Junction	К	-	Minor Losses			
Line D7				(10.00)	(10100)				(.v)	(rears)	(113/11)	(0,0)	(1011)	(117)	FIOW	(fps)	(IVELI)	(ft)	Туре		(Min)	(ft)	Upstream	Downstream	Grade
13+12.93		31.20	25,25A	2.27	2.27		-	1.57	10.00	100	9.80	15.4	0.0046	24	No	4.9	0.11	0.37	Inlet	1.25	10.11	0.46	518.16	517.69	518.27
12+81.73	3 12+26.48	55.25 121.48	Bend D9	0.00	0.00	-		1.57	10.11	100	9.78	15.3	0.0046	24	No	4.9	0.19	0.37	45° Bend	0.50	10.30	0.18	517.55	517.37	
11+05.00		121.48	D7A	9.51	9.51	0.50	4.76 0.29	6.32 6.61	10.30	100 100	9.76 9.71	64.2	0.0056	39 39	No No	7.4	0.27	0.86 0.93	MH 60° Wye	1.00 0.60	10.57	0.86	517.11	516.25	520.02
9+80.00	8+60.00	120.00	D7B	0.41		The second secon	0.26	6.87	10.84	100	9.67	66.5	0.0065	39	No	8.0	0.25	1.00	60° Wye	0.60	10.84	0.42	515.58 514.40	515.16 513.97	
8+60.00	7+40.00	120.00	D7C	0.40	****	0.70		7.15	11.09	100	9.64	68.9	0.0070	39	No	8.3	0.24	1.07	60° Wye	0.60	11.33	0.47	513.19	512.71	
7+40.00	6+20.00	120.00	D7D	0.40	0.40		0.28	7.43	11.33	100	9.60	71.3	0.0050	42	No	7.4	0.27	0.85	60° Wye	0.60	11.60	0.10	511.88	511.78	
6+20.00 5+00.00	5+00.00 3+40.00	120.00 160.00	D7E D7F	0.40	0.40	0.70	0.28	7.71 7.99	11.60	100 100	9.56 9.52	73.7	0.0054	42	No No	7.7	0.26	0.91	60° Wye	0.60	11.86	0.40	511.18	510.78	***************************************
3+40.00	2+35.00	105.00	D7G	0.53		0.70	- destroise disconnection and the second	8.36	12.20	100	9.47	79.2	0.0062	42	No	8.2	0.34	1.05	60° Wye	0.60	12.41	0.42	510.13 508.80	509.71 508.33	
2+35.00		91.97	D7H	0.31	-	0.72	-	8.58	12.41	100	9.44	81.0	0.0065	42	No	8.4	0.18	1.10	60° Wye	0.60	12.59	0.47	507.67	507.21	
1+43.03 0+57.20		85.83 57.20	D8 D7I	5.45	-			11.31	12.59	100	9.41	106.4	0.0112	42	No	11.1	0.13	1.90	МН	0.40	12.72	0.76	506.61	505.85	508.57
0+00.00		37.20		0.96	0.96	0.50	0.48	11.79	12.72	100	9.39	110.7	0.0121	42	No	11.5	0.08	2.06	60° Wye	0.60	12.80	0.92	504.89	503.97	
Lat D7A														-						***************************************	-		503.28		
0+08.08	area area esta a compressione de la compressione de	8.08	29,29A	0.37	0.37	0.79	0.29	0.29	10.00	100	9.80	2.8	0.0007	18		1.6	0.08	0.04	Inlet	1.25	10.08	0.05	516.11	516.06	519.28
0+00.00 Lat D7E	***		<u> </u>				 		ļ	*****						7.7	0.00	0.93		1.00	0.00	0.89	516.05	515.16	
0+08.08		8.08	30,30A	0.41	0.37	0.70	0.26	0.26	10.00	100	9.80	2.5	0.0006	18		1.4	0.09	0.03	Inlet	1.25	10.09	0.04	514.97	514.93	518.09
0+00,00				***********										1	***************************************	8.0	0.00	1.00	A A A of the terminal and the terminal a	1.00	0.00	0.96	514.93	514.93	516.09
Lat D7C																									
0+08.08 0+00.00		8.08	31,31A	0.40	0.40	0.70	0.28	0.28	10.00	100	9.80	2.7	0.0007	18		1.6	0.09	0.04	Inlet	1.25	10.09	0.05	513.80	513.75	516.95
Lat D7D							†					***************************************		 		8.3	0.00	1.07		1.00	0.00	1.03	513.75	512.71	
0+08.08	takan kalundaran di kalundaran dari dari dari dari dari dari dari dari	8.08	32,32A	0.40	0.40	0.70	0.28	0.28	10.00	100	9.80	2.7	0.0007	18		1.6	0.09	0.04	Inlet	1.25	10.09	0.05	512.65	512.60	515.81
0+00.00	interior para la minima de maneria de desentado e por espera en forma de la municipa e principa de la composición del composición de la composición de la composición del composición de la composición del composición de la composición del composición del composición del composición	and after a filter requires in the angular and antiquities		_				***************************************			****				alirentesitellinessen pergetiaense pe	7.4	0.00	0.85		1.00	0.00	0.82	512.60	511.78	
Lat D7E 0+08.08		8.08	33,33A	0.40	0.40	0.70	0.28	0.28	10.00	100	9.80	2.7	0.0007	18		1.6	0.09	0.04	Inlet	1.25	10 00	0.05	F11 70		F. A. C. B.
0+00.00								***************************************	1-0:00			4.1	0.0007	1 20		7.7	0.00	0.91	TUTEL	1.00	0.00	0.05 0.87	511.70 511.65	511.66 510.78	514.67
Lat D7F																									
0+08.08		8.08	34,34A	0.40	0.40	0.70	0.28	0.28	10.00	100	9.80	2.7	0.0007	18		1.6	0.09	0.04	Inlet	1.25	10.09	0.05	510.69	510.65	513.53
Lat D7G	-			yalisa da kanada da kanada				***	 					-	***************************************	7.9	0.00	0.97		1.00	0.00	0.93	510.64	509.71	
0+08.08	***	8.08	35,35A	0.53	0.53	0.70	0.37	0.37	10.00	100	9.80	3.7	0.0012	18	*** /* 6 1/2 2000 1000 1000 1000 1000 1000	2.1	0.07	0.07	Inlet	1.25	10.07	0.08	509.40	509.32	511.00
0+00.00								rikaljupanikajuskojuskojuskaj prija			-				-	8.2	0.00	1.05		1.00	0.00	0.99	509.31	508.33	
Lat D7H 0+08.08		8.08	36,36A	0.31	0.31	0.72	0.22	0.22	10.00	100	9.80	2 2	0 0004	10	trinitajo pi nazonje popolita se kodentu u i su	<u> </u>				- AP					
0+00.00		0.00	30,30M	U. J.L.	0.31	0.72	0.22	<u> </u>	10.00	100	7.00	2.2	0.0004	18		8.4	0.11	0.02 1.10	Inlet	1.25	10.11	0.03 1.08	508.32 508.28	508.29 507.21	509.84
Lat D7I													***************************************		erterterkinnert ett ud tykentäjan kautout operatio				refer former to the suppression of the contribution of the contrib	*.00	1	1.00	300.20	507.21	
0+29.58		29.58	37	0.96	0.96	0.50	0.48	0.48	10.00	100	9.80	4.7	0.0020	18		2.7	0.19	0.11	Inlet	1.25	10.19	0.14	506.12	505.98	507.30
0+00.00 Line D8	liviantemitemitemitemitemitemitemitemitemitemi	*********************	militarii ee ja mii ka	ametalarismistani		***********				-	***************************************					11.5	0.00	2.06		1.00	0.00	1.95	505.92	503.97	
2+85.54		75.75	22	3.05	3.05	0.50	1.52	1.52	10.00	100	9.80	14.9	0.0044	24	Yes	12.4	0.10	2.39	60° Wye	0.50	10.10	1.19	511.15	509.95	516.61
2+09.79	and the second s	209.79	D8A	2.40		0.50		2.72	10.10	100	9.78	26.7		24	Yes	12.5	0.28	2.43		1.00	10.38	0.04	509.62	509.58	516.27
0+00.00			ni matangahini sakanpatah dinancat galampanya	***************************************									***************************************			11.1	0.00	1.90	***	1.00	0.00	0.00	506.67	505.85	
Lat D8a 0+10.17		10.17	23	2.40	2.40	0.50	1 20	1.20	10.00	100	9.80	11.8	0.0027	24		3.7	0.05	0.22	Inlet	1.25	10.05	0.27	512.09		F16 08
0+00.00							7.7						0.0027	6. 7	***************************************	12.5	0.00	2.43	T11 F C2 C	1.00	0.00	2.21	511.79	511.82 509.58	516.27
Line D9					-	***************************************																			
3+91.48 3+68.48	~ 	23.00 14.14	24 Bend	1.70 0.00		0.50		0.85	10.00	100 100	9.80	8.3	0.0063	18	Yes	7.4	0.05	0.85	Inlet	1.25	10.05	1.06	524.28	523.22	526.71
3+54.34		163.67	Bend Bend	0.00		0.50		0.85	10.05	100	9.79	8.3	0.0063	18	Yes No	7.4	0.03	0.85 0.34	45° Bend 45° Bend	0.50 0.50	10.08	0.43	523.07 522.56	522.65 522.39	
1+90.67	0+41.05	149.62	D9A	5.61	5.61	0.50	2.81	3.66	10.66	100	9.70	35.5	0.0075	30	No	7.2	0.35	0.81	60° Wye	0.50	11.01	0.64	521.36	520.72	
0+41.05		41.05	D9B, D9C	2,20	2.20	0.50	1,10	4.76	11.01	100	9.65	45.9	0.0125	30	Yes	12.5	0.05	2.43	60° Wye	0.50	11.06	2.02	519.61	517.58	
0+00.00 Lat D9a					-			No militaria proprieda de la compresa de la compre		***************************************	**************			 		7.4	0.00	0.86		1.00		0.00	517.07	516.25	***************************************
0+36.52	akidi dedukan mengangkuman penanggalai dan kenjakan dan sebagai dan	36.52	28	5.61	5.61	0.50	2.81	2.81	10.00	100	9.80	27.5	0.0045	30	Airenghan a richt au de Arantanischen in	5.6	0.11	0.49	Inlet	1.25	10.11	0.61	521.82	521.21	523.18
0+00.00								***********							***************************************	7.2	0.00	0.81		1.00	0.00	0.32	521.05	520.72	JEG. 10
Lat D9b 0+17.90	Participation of Allianders (American American and American Americ	17 00	26	ດຄາ	0.02	0 50	0.46	0.46	10.00	100	0.00		0 0010	 			<u> </u>		***************************************						
0+17.90		17.90	26	0.92	0.92	0.50	U.46	0.46	10.00	100	9.80	4.5	0.0019	18		2.6 12.5	0.12	0.10 2.43	Inlet	1.25	10.12	0.13 2.32	520.07 519.91	519.94 517.58	521.22
Lat D9c																34.3		2.93		1.00	0.00	4.34	317.71	31/.38	
0+17.90		17.90	27	1.28	1.28	0.50	0,64	0.64	10.00	100	9.80	6.3	0.0036	18		3.6	0.08	0.20	de esta de la companya de esta esta esta esta esta esta esta est	1.25	10.08	0.24	520.12	519.88	521.22
0+00.00 Line D1							 				aller mende kjele en kjennete an kjennete kinster om en p	************		ļ	-	12.5	0.00	2.43	annai variante menoria in constante de la cons	1.00	0.00	2.23	519.81	517.50	
1+80.82	Marinetin e e del se en en	80.82		Det	tention	Pond Ou	tfall F	ate From	HEC-HMS	Study	ti dikini esti iga qara matika ada aying ayaa ay ahaa	131.8	0.0018	6x4		5.7	0.24	0.50	Inlet	1.25	0.24	0.62	494.29	493.67	
1+00.00	0+00,00	100.00	0		0.00			0.00	0.24	100		131.8		6x4		5.7	0.29	0.50	30° Bend	0.45	0.53	0.27	493.52	493.87	
0+00.00			······································									***************************************											493.07		
Line D1: 0+51.45	PANEMINING CONTRACTOR	31.42	36	1.19	1.19	0 90	1 02	1.07	10.00	100	9.80	10 F	0.0022	24	Yes	17.3	0.03	4.65	T,1	4 9 11	1000	······································	ros or	FOC 85	
0+20.03		20.03	Bend	distinct the second second second second	0.00			1.07	10.03	100	9.80	-	0.0022	24	Yes Yes	17.3	0.03	4.65 4.65	Inlet 45° Bend	1.25 0.50	10.03	0.50 2.32	501,20 500,64	500.70 498.31	
0+00.00	****																						498.27		
Line D1	a valgade a la transita del mentra e formación estructura de el constructura de experiente e esperá de existe					L	<u> </u>		L		-														
0+47.39		47.39		Ta	ken from	As-bu	its to	r Stone Cr	eek Phas	se IV		57.6	0.0074	36	Yes	12.5	0.06	2.43		1.00	0.06	2.43	497,28	494.85	

					Design			Area Run	off: Q=CIA			Carry-Over	Total				Maximum	Actual	Maximum		Se	elected Inl	let			
					Storm		Intensity	Runoff		Area		from	Gutter	Gutter	Gutter		Allowable	Ponding	Allowable	Actual		***************************************	Inlet	Carry-Over to	Carry-Over to	Carry-Ove
nija stalija si saja para para para para para para para p	-	Inlet			Freq.	Тс	"I"	Coeff.		"A"	Q	Upstream	Flow	Capacity	Slope	Crown	Ponding Depth	Depth	Spread	Spread	Length		Capacity	Downstream	Downstream	CA
nlet No.	Station	Offse		Street	(years)	(min)	(in/hr)	"C"	DA#	(acres)	(cfs)	(cfs)	(cfs)	(cfs)	(ft/100 ft)	Туре	(ft)	(ft)	(ft)	(ft)	LI (ft)	Туре	(cfs)	Inlet (cfs)	Inlet No.	
1*			RT	Memorial	100	10	9.8	0.50	1	2.48	12.1		12.1	N/A	N/A	N/A	1	0.37	N/A	N/A	4'X4'	WYE	29.0	0.0		***************************************
2	13+06.36	0+15.50	LT	Nakoma	100	10	9.8	0.50	2	0.73	3.6		3.6	16.9	1.51%	6" pbl	0.5	0.11	15	3.2	5	STD.	2.8	0.8	7	0.08
3	13+13.88	0+15.50	RT	Nakoma	100	10	9.8	0.50	3	0.79	3.9		3.9	16.9	1.51%	6" pbl	0.5	0.11	15	3.4	5	STD.	2.8	1.1	7	0.11
4	Not Used					***************************************										nidasanin aritkina delangian any ariana bida daningtati	na termina di disembalia di Sangaro di Angara di Sangara di Sangara di Sangara di Sangara di Sangara di Sangar			recent de la recent						
5	7+39.35	0+35.00	LT	Memorial	100	10	9.8	0.50	5	0.34	1.7		1.7	N/A	N/A	N/A	1.0	0.10	N/A	N/A	4'X4'	WYE	29.0	0.0	-	
6*	7+39.35	0+35.00	RT	Memorial	100	10	9.8	0.50	6	2.47	12.1		12.1	N/A	N/A	N/A	1.0	0.37	N/A	N/A	4'X4'	WYE	29.0	0.0	-	
7	6+43.00	0+15.50	LT	Memorial	100	10	9.8	0.50	7	0.78	3.8	1.9	5.7	16.9	1.50%	6" pbl	0.5	0.17	15	5.0	10	STD.	6.6	0.0	-	
Interim	6+43,00	0+15.50	LT	Memorial	100	10	9.8	0.50	INT7	0.70	3.4		3.4	16.9	1.50%	6" pbl	0.5	0.10	15	3.0	10	STD.	6.6	0.0		
8	6+43.00	0+15.50	RT	Memorial	100	10	9.8	0.50	8	0.72	3.5		3.5	16.9	1.50%	6" pbl	0.5	0.10	15	3.1	10	STD.	6.6	0.0	-	
nterim	6+43.00	0+15.50	RT	Memorial	100	10	9.8	0.50	INT8	0.29	1.4		1.4	16.9	1.50%	6" pbl	0.5	0.04	15	1.3	10	STD.	6,6	0.0	4	
9	3+84.34	0+35.00	RT	Memorial	100	10	9.8	0.50	9	4.18	20.5		20.5	N/A	N/A	N/A	1.0	0.53	N/A	N/A	4'X4'	WYE	29.0	0.0	-	
nterim	3+84.34	0+35.00	RT	Memorial	100	10	8.3	0.35	INT9	6.99	20.3		20.3	N/A	N/A	N/A	1.0	0.53	N/A	N/A	4'X4'	WYE	29.0	0.0	-	
10	13+81.00	0+15.50	LT	Harvard	100	10	9.8	0.50	10	0.79	3.9		3.9	11.6	0.70%	6" pbl	0.5	0.17	15	5.0	10	STD.	7.3	0.0	*	
11	13+89.00	0+15.50	RT	Harvard	100	10	9.8	0.50	11	0,56	2.7		2.7	11.6	0.70%	6" pbl	0.5	0.12	15	3.6	5	STD.	3.1	0.0	Na.	
12	7+07.00	0+15.50	LT	Nakoma	100	10	9.8	0.50	12	0.76	3.7		3.7	20.5	2.20%	6" pbl	0.5	0.09	15	2.7	5	STD.	2.6	1.1	16	0.11
13	7+12.00	0+15.50	RT	Nakoma	100	10	9.8	0.50	13	0.91	4.5		4.5	18.8	1.84%	6" pbl	0.5	0.12	15	3.6	10	STD.	6.6	0.0	-	
14	5+69.38	0+33.00	<u>LT</u>	Harvard	100	. 10	9.8	0.50	14	1.79	8.8	<u> </u>	8.8	N/A	N/A	N/A	1.0	0.29	N/A	N/A	4'X4'	WYE	29.0	0.0	*	
15	1+66.03	0+15.50	RT	Harvard	100	10	9.8	0.50	15	1.60	7.9		7.9	22.5	Low Pt	6" pbl	0.5	0.17	15	5.2	10	STD.	21.0	0.0	des.	·
16	1+66.03	0+15.50	LT	Harvard	100	10	9.8	0.50	16	2.19	10.7	1.1	11.9	22.5	Low Pt	6" pbl	0.5	0.26	15	7.9	10	STD.	21.0	0.0		
17	2+00.00	0+15.50	RT	Montrose	100	10	9.8	0.50	17	1.10	5.4		5.4	11.6	0.70%	6" pbl	0.5	0.23	15	7,0	10	STD.	7.3	0.0		
Interim	2+00.00	0+15.50	RT	Montrose	100	10	9.8	0.50	INT 17	0.92	4.5		4.5	11.6	0.70%	6" pbl	0.5	0.19	15	5.8	10	STD.	7.3	0.0	**	reterent describer substant construct specials
18	2+24.00	0+15.50	LT	Montrose	100	10	9.8	0.50	18	0.43	2.1		2.1	17.6	0.70%	6" pbl	0.5	0.06	15	1.8	5	STD.	3.1	0.0	aran da distribuit da distribuit da distribuit de distribu	
Interim 10	2+24.00	0+15.50	LT	Montrose	100	10	9.8	0.50	INT 18	0.30	1.5		1.5	17.6	0.70%	6" pbl	0.5	0.04	15	1.3	5	STD.	3.1	0.0		
19	1+50.00	0+15.50	RT	Nakoma	100	10	9.8	0.50	19	1.43	7.0		7.0	13.8	1.00%	6" pbl	0.5	0.25	15	7.6	10	STD.	7.0	0.0		****
20	0+80.00	0+15.50	LT	Nakoma	100	10	9.8	0.50	20	1.09	5.3		5.3	13.8	1.00%	6" pbl	0.5	0.19	15	5.8	10	STD.	7.0	0.0		an distribution production and an annual section as a part
21	N/A 0+51.48	N/A 0+15.50	N/A	N/A	100	10	9.8	0.50	21	1.81	8.9	-	8.9	N/A	N/A	N/A	1.0	0.30	N/A	N/A	4'X4'	WYE	29.0	0.0		***************************************
23	-		LT	Emerson	100	10	9.8	0.50	22	3.05	14.9	-	14.9	26.2	Low Pt	6" pbl	0.5	0.28	15	8.5	10	STD.	21.0	0.0		· Ouropapainteennagignabolistatispapaipaipaitis
24*	0+09.57	0+32.80		Emerson	100	10	9.8	0.50	23	2.40	11.8		11.8	26.2	Low Pt	6" pbl	0.5	0.22	15	6.7	10	STD.	21.0	0.0		
25	3+89.34 20+04.75	0+33.00 0+47.00	************	Memorial	100	10	9.8	0.50	24	1.70	8.3		8.3	N/A	N/A	N/A	1.0	0.29	N/A	N/A	4'X4'	WYE	29.0	0.0		
	19+94.72	0+47.00	LT	Quail Run	100	10	9.8	0.69	25,25A	2.27	15.4	 	15.4	N/A	N/A	N/A	1.0	0.43	N/A	N/A	4'X4'	WYE	29.0	0.0	maken kan kalan kan kan kan kan kan kan kan kan kan k	
Interim	0+75.00		LT	Quail Run	100	20	8.3	0.35	INT 25	5.96	17.3	ļ	17.3	N/A	N/A	N/A	1.0	0.70	N/A	N/A	4'X4'	WYE	29.0	0.0	***************************************	***************************************
<u>zo</u> interim	0+75.00	0+15.50 0+15.50	RT RT	Memorial	100	10	9.8	0.50	26	0.92	4.5		4.5	21.8	2.49%	6" pbl	0.5	0.10	15	3.1	10	STD.	6.3	0.0		
27	0+75.00	0+15.50		Memorial Memorial	100	10 10	9.8	0.50	INT 26	0.33	1.6		1.6	13.1	2.49%	6" pbl	0.5	0.06	15	1.8	10	STD.	6.3	0.0		
28	1+99.33	0+35.00		Memorial				0.50	27	1.28	6.3	-	6.3	21.8	2.49%	6" pbl	0.5	0.14	15	4.3	10	STD.	6.3	0.0		
Interim	-	0+35.00	-	Memorial	100	10	9.8	0.50	28	5.61	27.5		27.5	N/A	N/A	N/A	1.0	0.59	N/A	N/A	4'X4'	WYE	29.0	0.0		
29	18+10.00		-	Quail Run	100	20	8.3	0.35	INT 28	8.49	24.7		24.7	N/A	N/A	N/A	1.0	0.59	N/A	N/A	4'X4'	WYE	29.0	0.0		
30	16+85.00	0+32.00	afalandia filiparah padamah	Quail Run	100 100	10	9.8	0.79	29,29A	0.37	2.8		2.8	22.5	0.95%	1/4"/FT	0.24	0.24	12	12.0	5	STD.	12.0	0.0	29	0.00
31	15+65.00	0+32.00	egybyningen general magit	Quail Run	100	10	9.8	0.79	30,30A	0.37	2.8	-	2.8	22.5	0.95%	1/4"/FT	0.24	0.24	12	12.0	5	STD.	11.1	0.0		Anna de la companya
32	14+45.00	0+32.00	Cario de construir de la companie d	Quail Run	100	10	9.8	0.70	31,31A	0.40	2.7	-	2.7	22.5	0.95%	1/4"/FT	0.24	0.24	12	12.0	5	STD.	11.1	0.0		eriteradisi-internacial parapharatari
33	13+25.00	0+32.00	-	Quail Run	100	10 10	9.8	0.70	32,32A	0.40	2.7	1	2.7	22.5	0.95%	1/4"/FT	0.24	0.24	12	12.0	5	STD.	11.1	0.0		terme harrietettika priina teiste mendenk
34	12+05.00	0+32.00		Quail Run	100		9.8	0.70	33,33A 24,24A	0.40	2.7	 	2.7	22.5	0.95%	1/4"/FT	0.24	0.24	12	12.0	5	STD.	11.1	0.0		ina disa mpejakipi negisa sainya apanina
35	10+45.00	0+32.00		Quail Run	100	10 10	9.8	0.70	34,34A 25.25A	0.40	2.7	-	2.7	22.5	0.95%	1/4"/FT	0.24	0.24	12	12.0	5	STD.	11.1	0.0		angenian kanalangan penangan ang
36	9+40.00	0+32.00		Quail Run			9.8	0.70	35,35A	0.53	3.7	+	3.7	22.5	1.60%	1/4"/FT	0.24	0.24	12	12.0	5 -	STD.	11.1	0.0		
37	-			Quail Run	100	10	9.8	0.72	36,36A	0.31	2.2	-	2.2	22.5	0.73%	1/4"/FT	0.23	0.23	12	11.5	5	STD.	11.1	0.0		************
38	7+65.83	***************************************			100	10	9.8	0.50	37	0.96	4.7	 	4.7	N/A	N/A	N/A	1.0	0.18	N/A	N/A	4'X4'	WYE	29.0	0.0	********************************	***************************************
JO	7703.03	ロヤコム, ロロ	L/I	Quail Run	100	10	9.8	0.90	38	1.19	10.5	1	10.5	20.0	0.95%	1/2"/FT	0.50	0.51	12	12.2	15	STD.	11.0	0.0		



AS-BUILT DECEMBER 2016
INFORMATION PROVIDED
BY CONTRACTORS
(NOT FIELD VERIFIED)



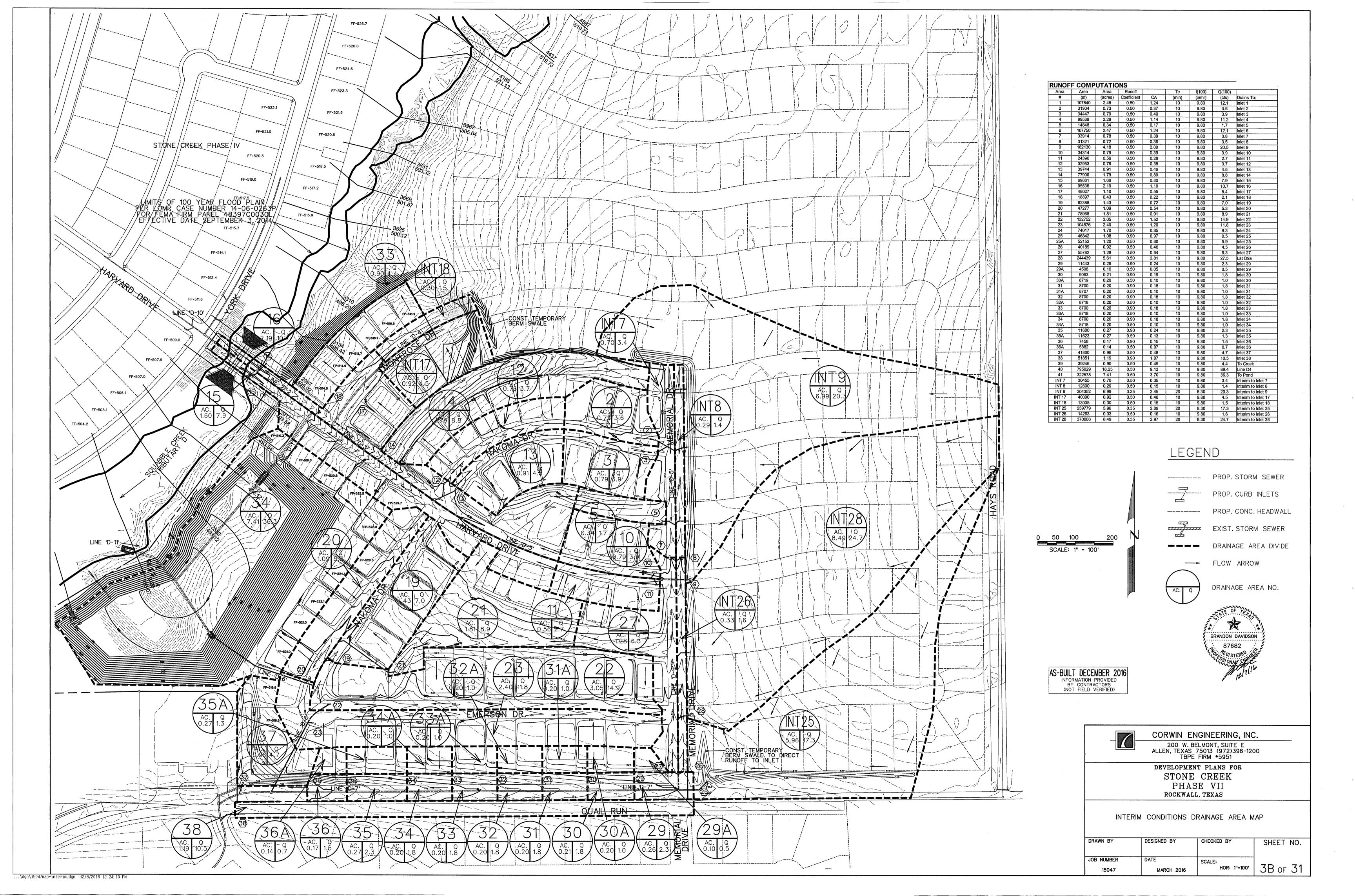
CORWIN ENGINEERING, INC.

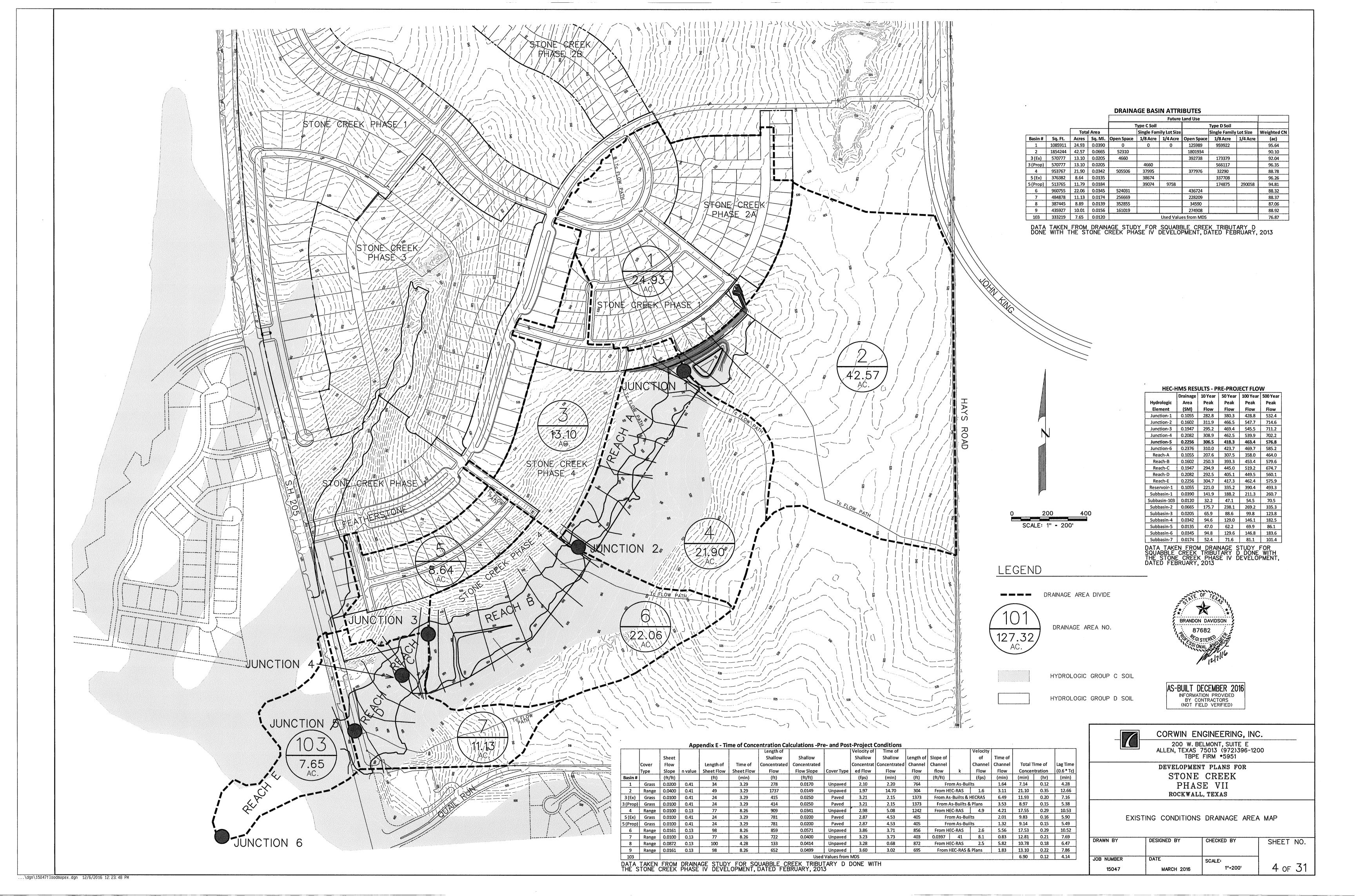
200 W. BELMONT, SUITE E ALLEN, TEXAS 75013 (972)396-1200 TBPE FIRM *5951

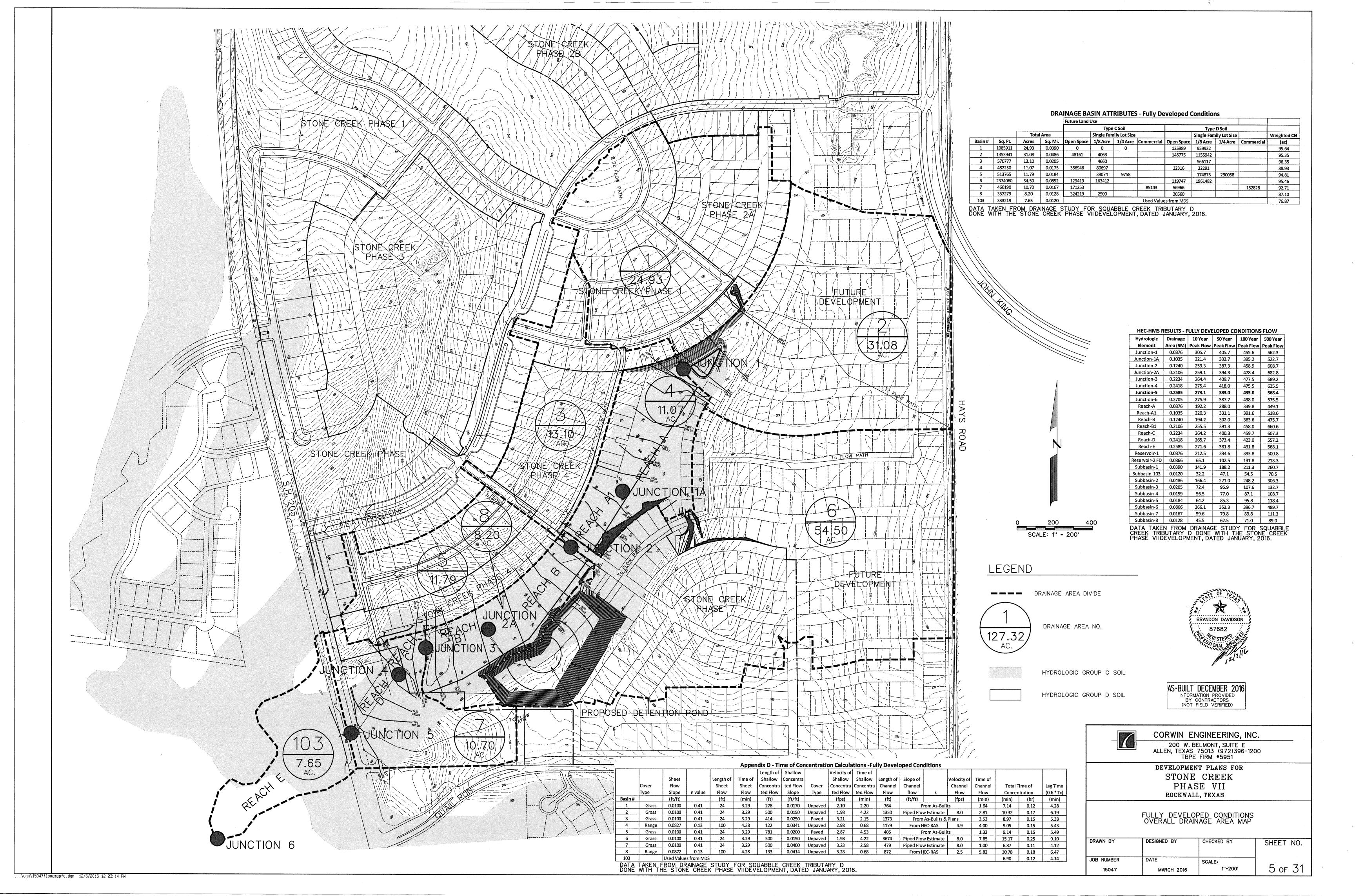
DEVELOPMENT PLANS FOR STONE CREEK PHASE VII ROCKWALL, TEXAS

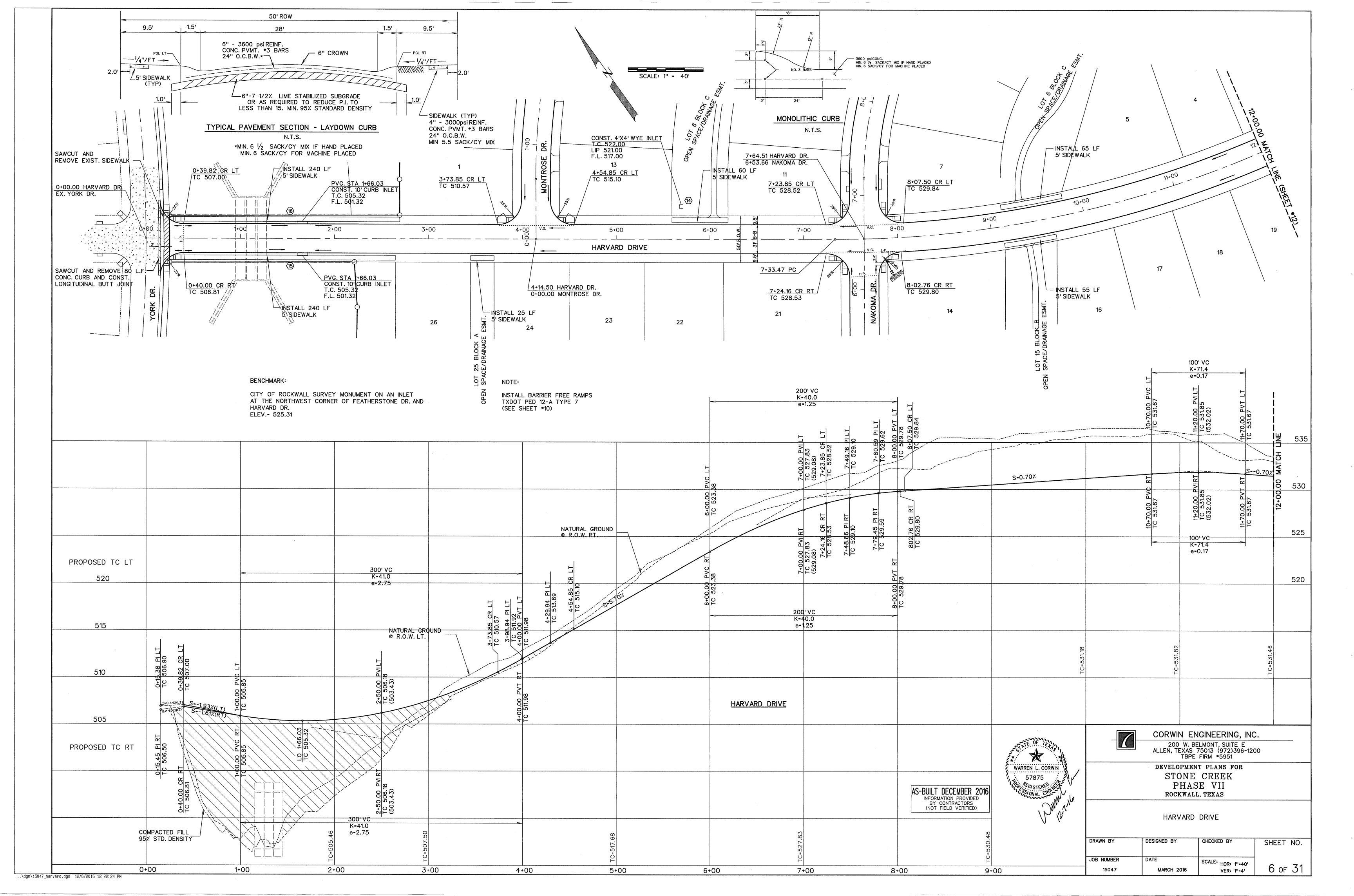
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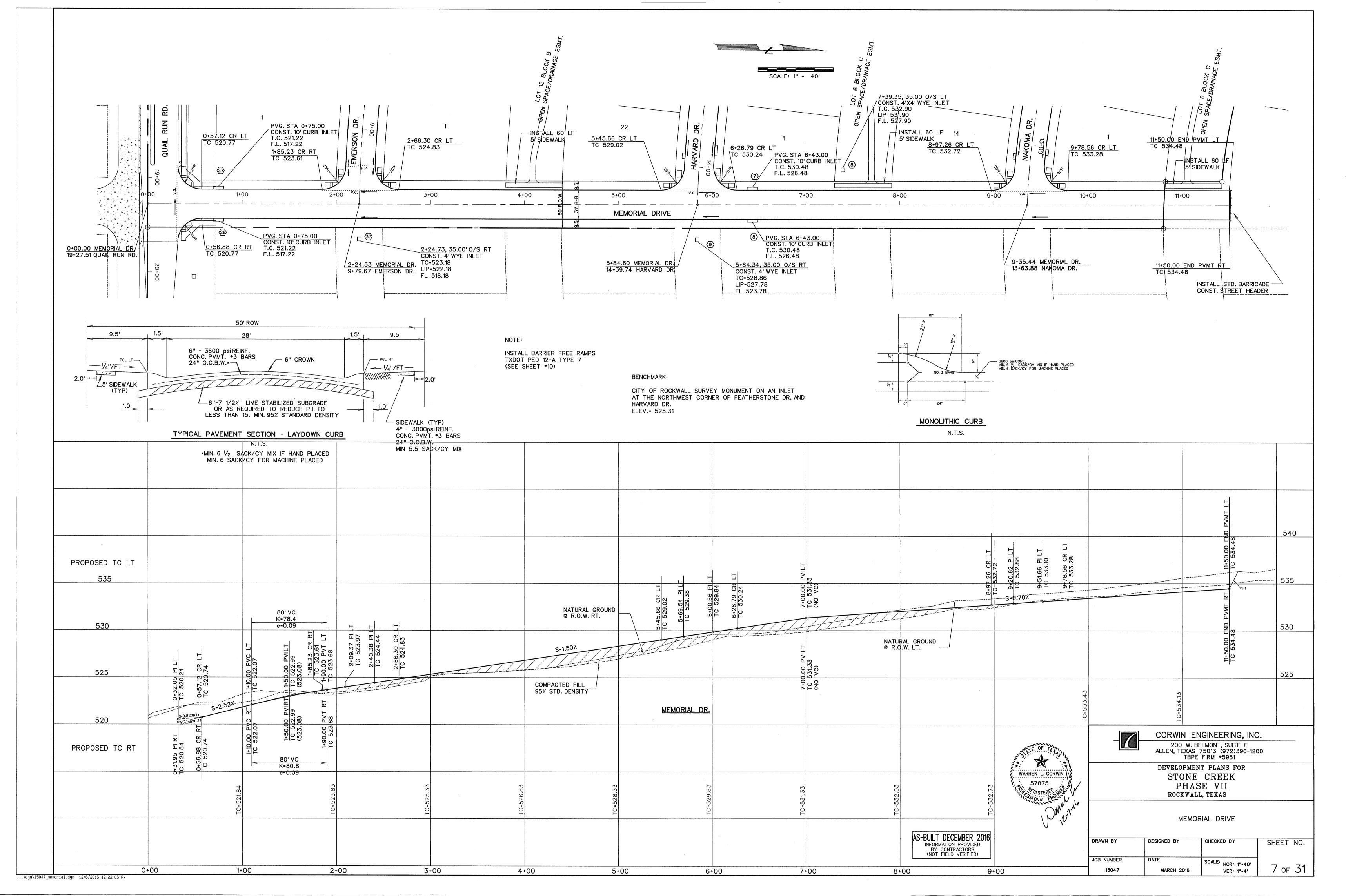
DRAWN BY	DESIGNED BY	CHECKED BY	SHEET NO.
JOB NUMBER	DATE	SCALE: HOR: 1"-40"	
15047	MARCH 2016	VER: 1"-4"	3A of 31

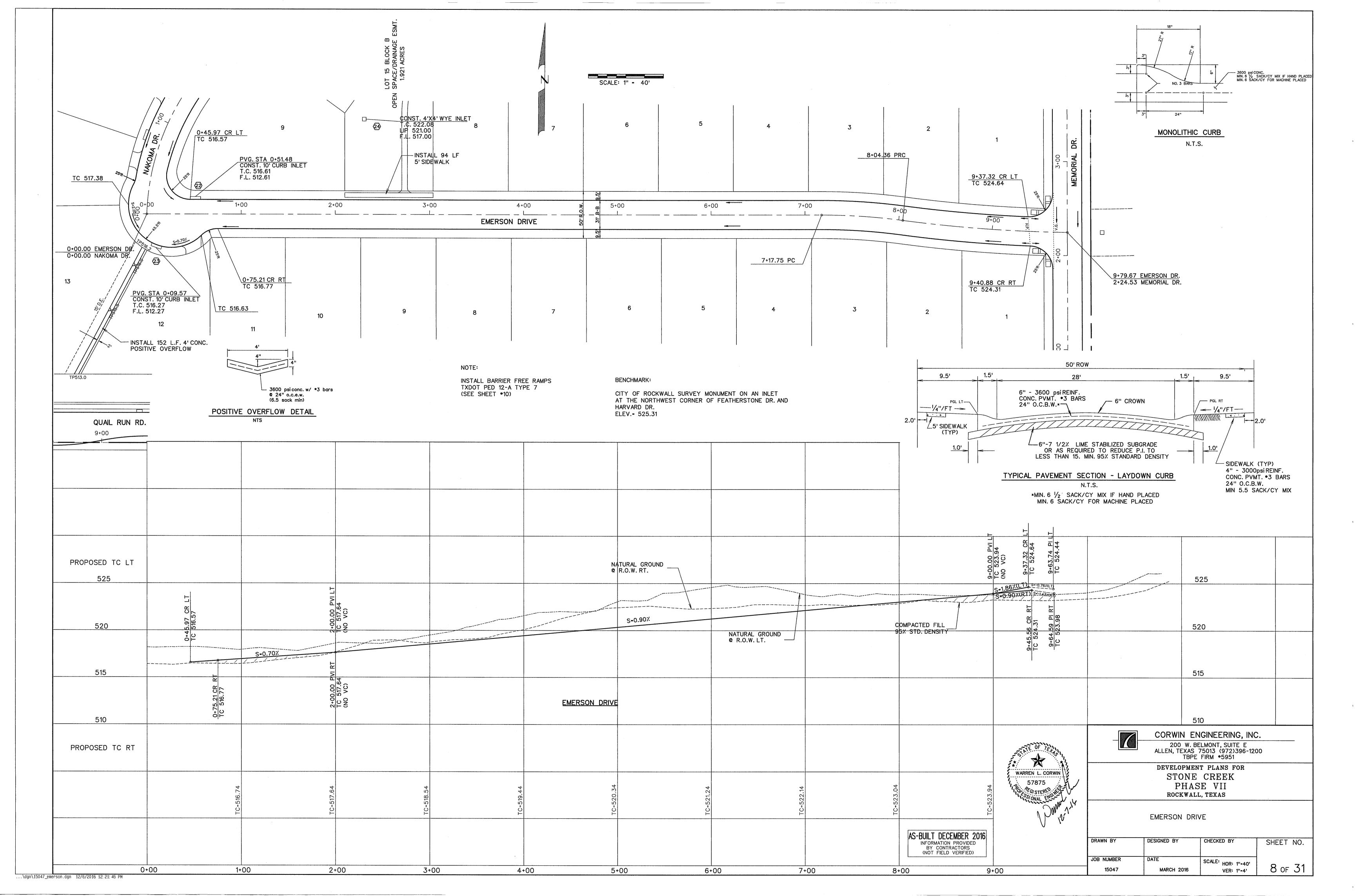


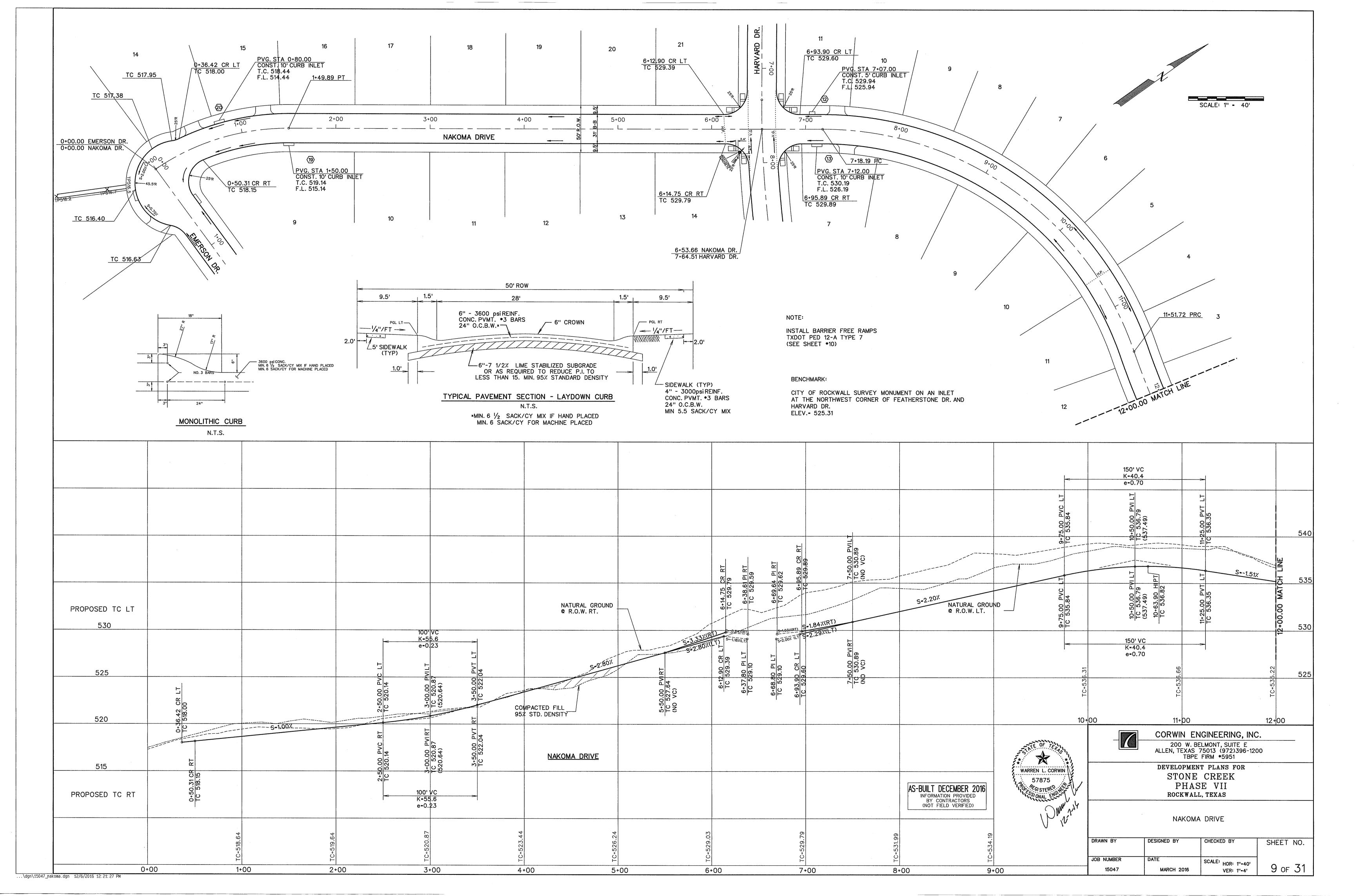


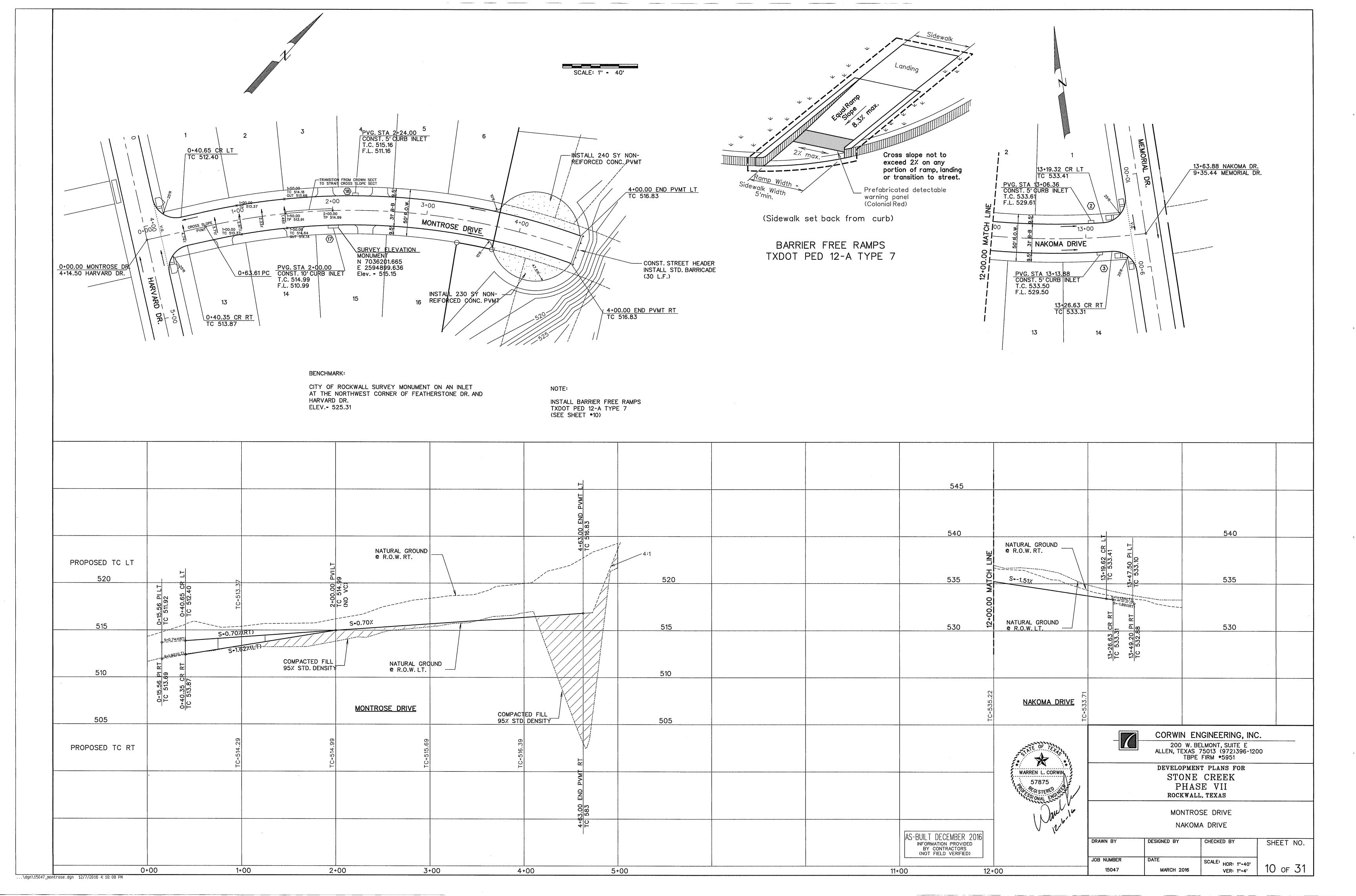


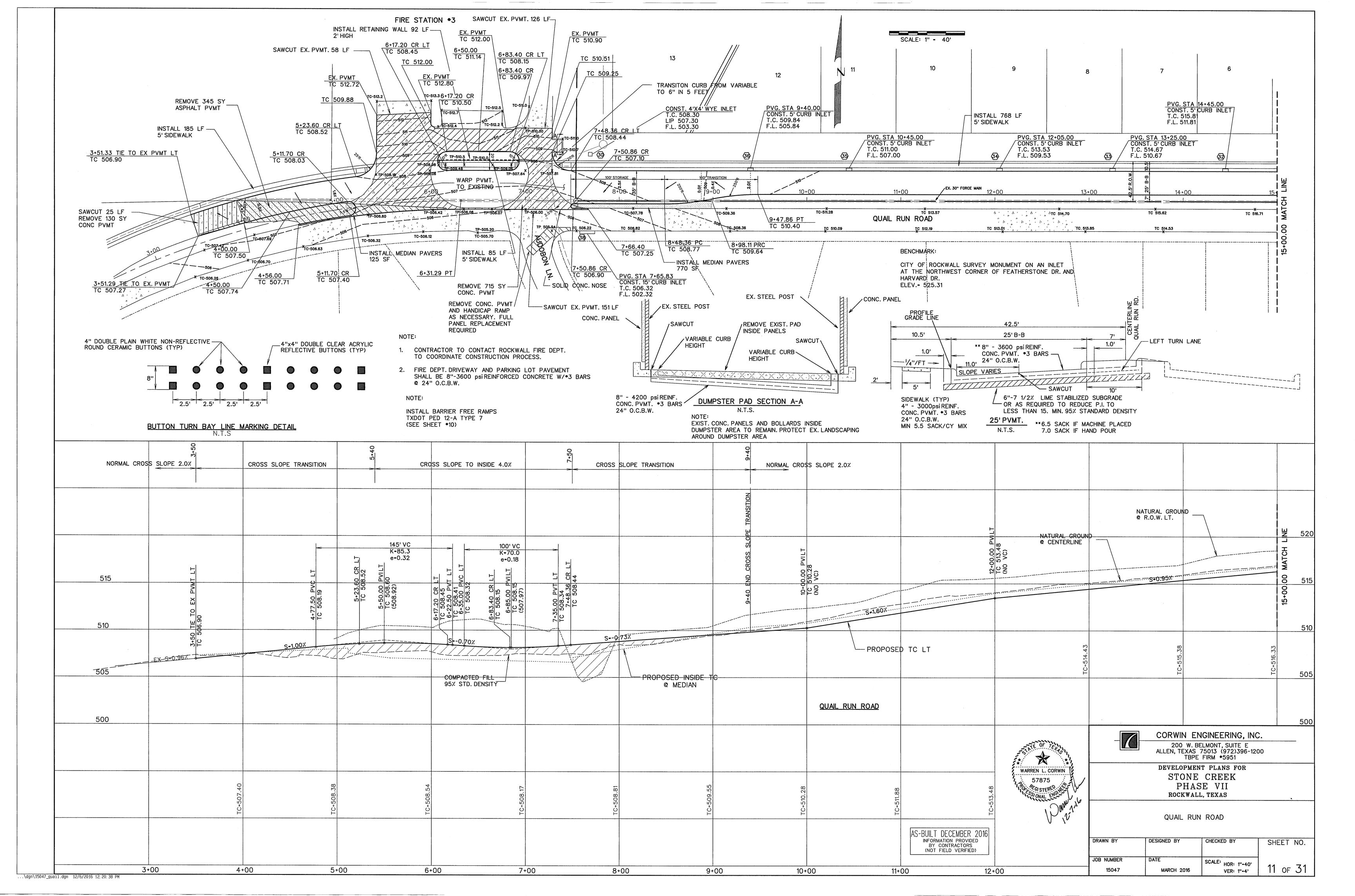


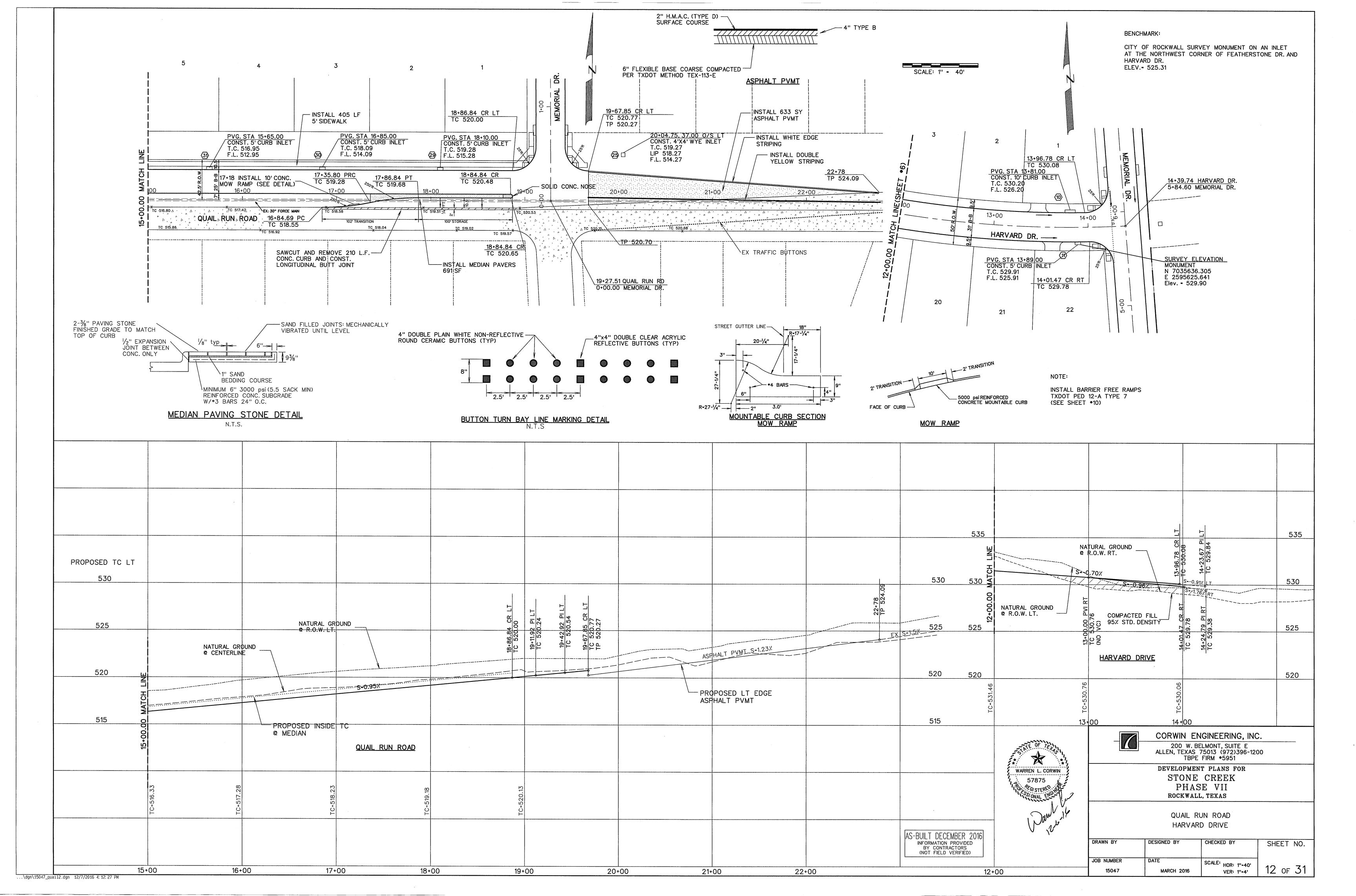


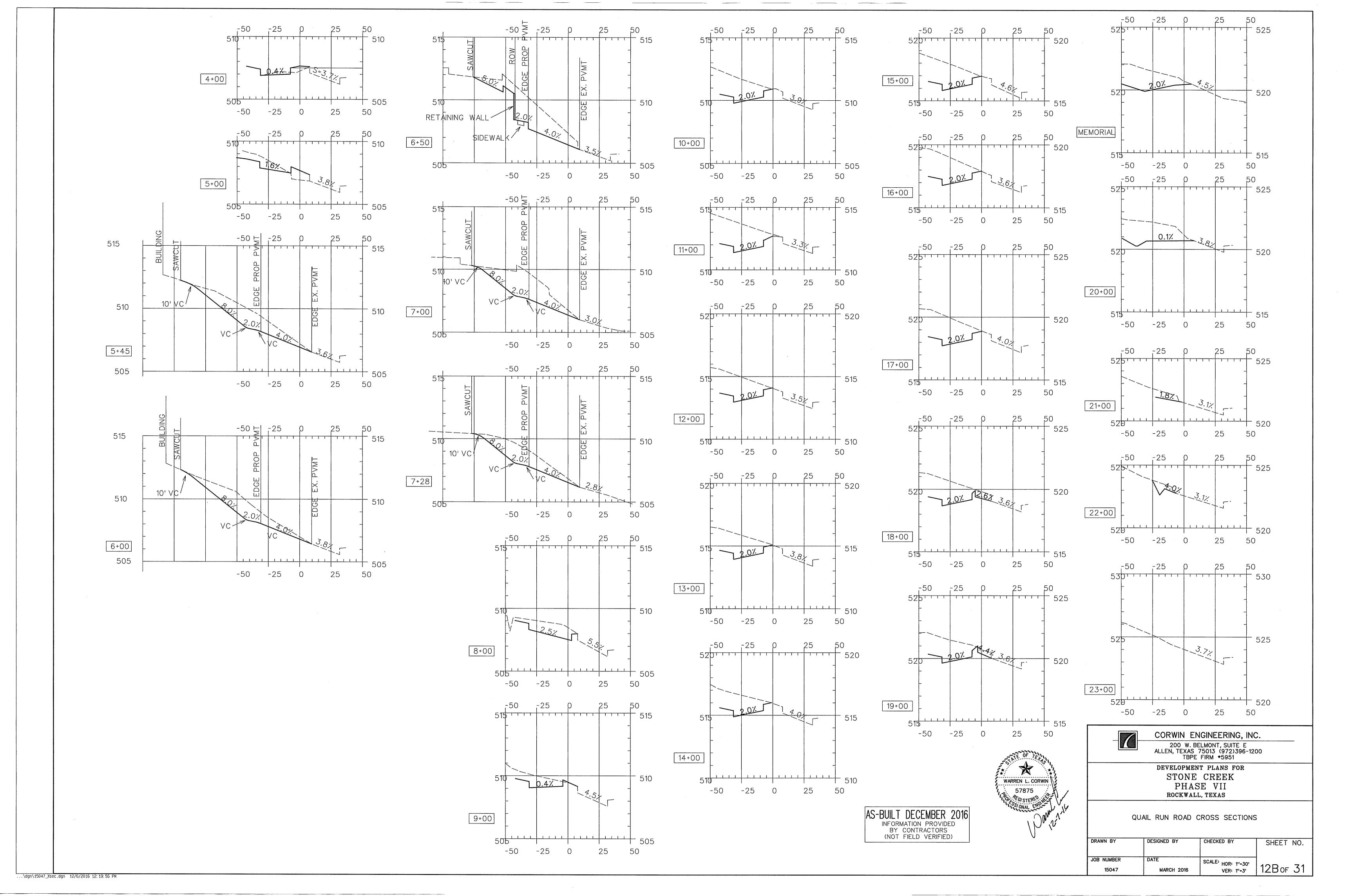


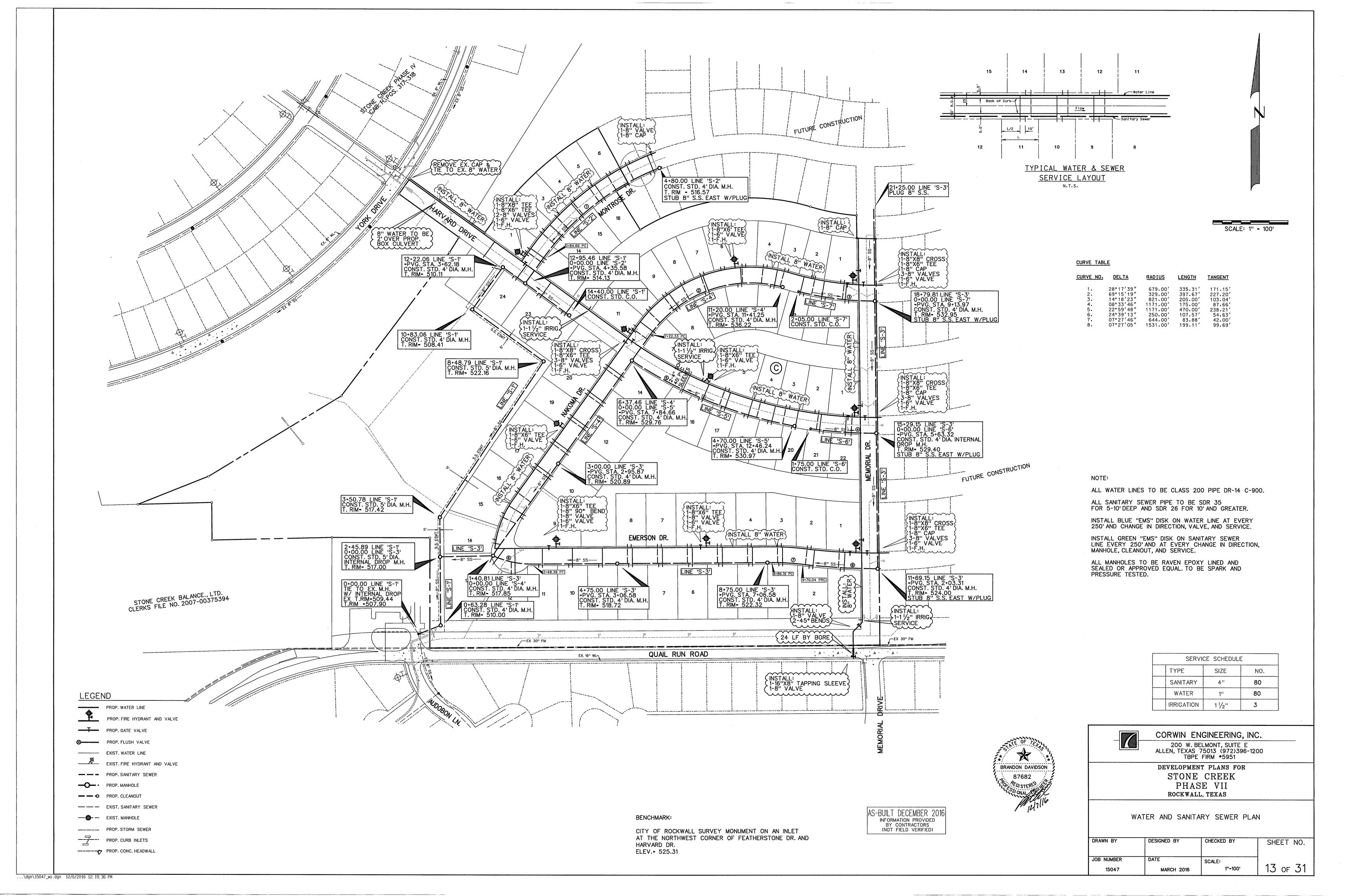


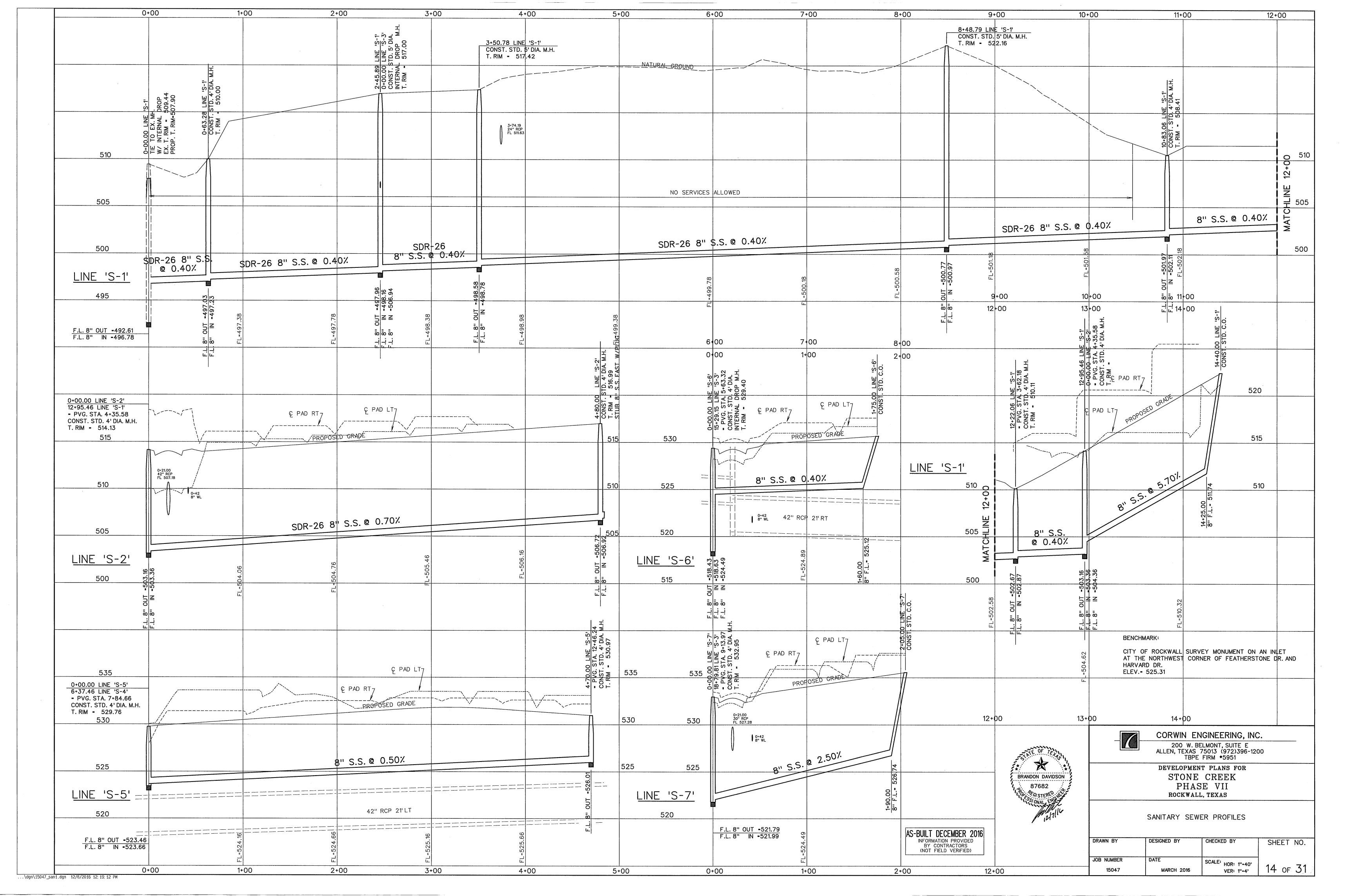


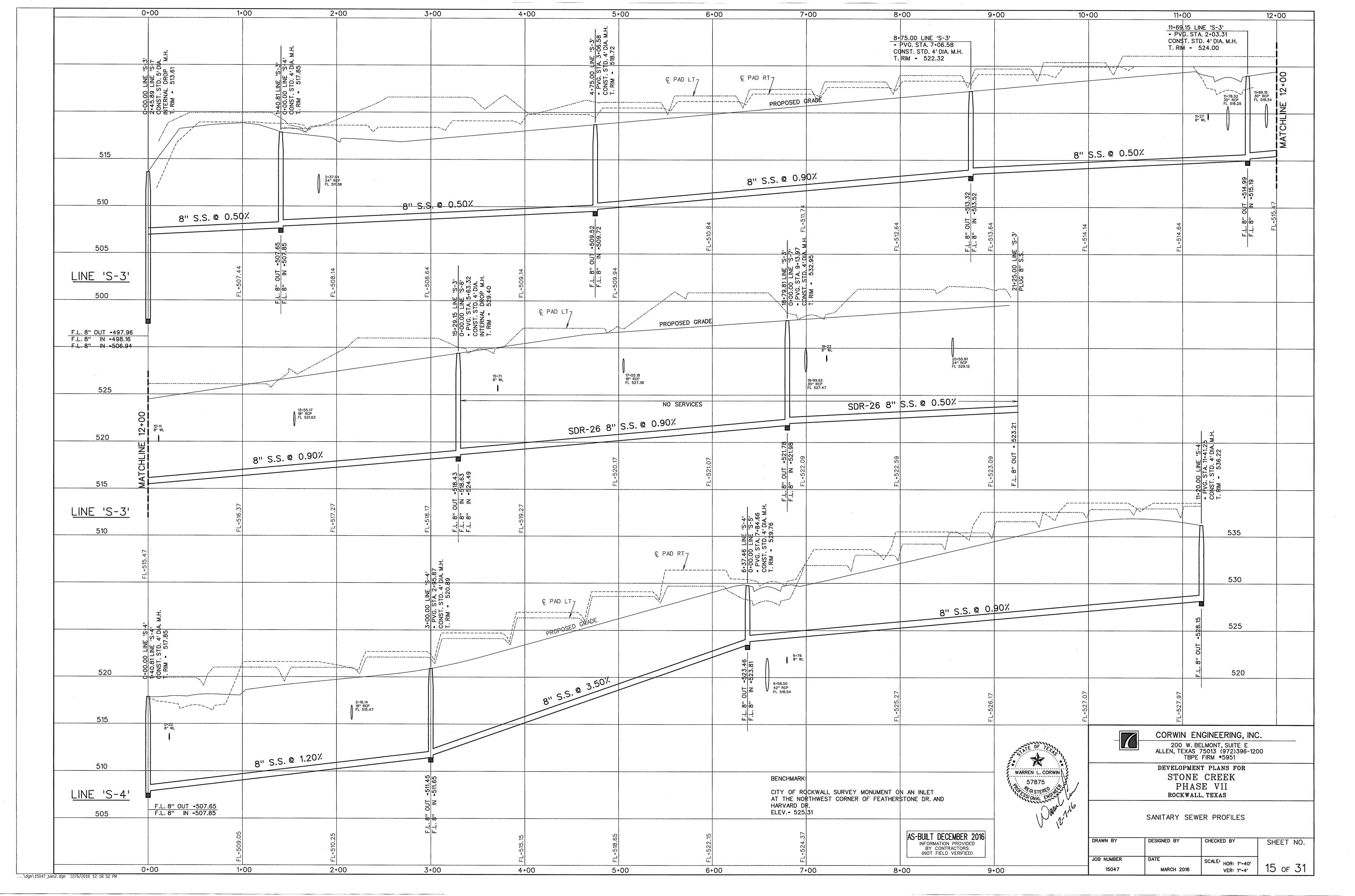


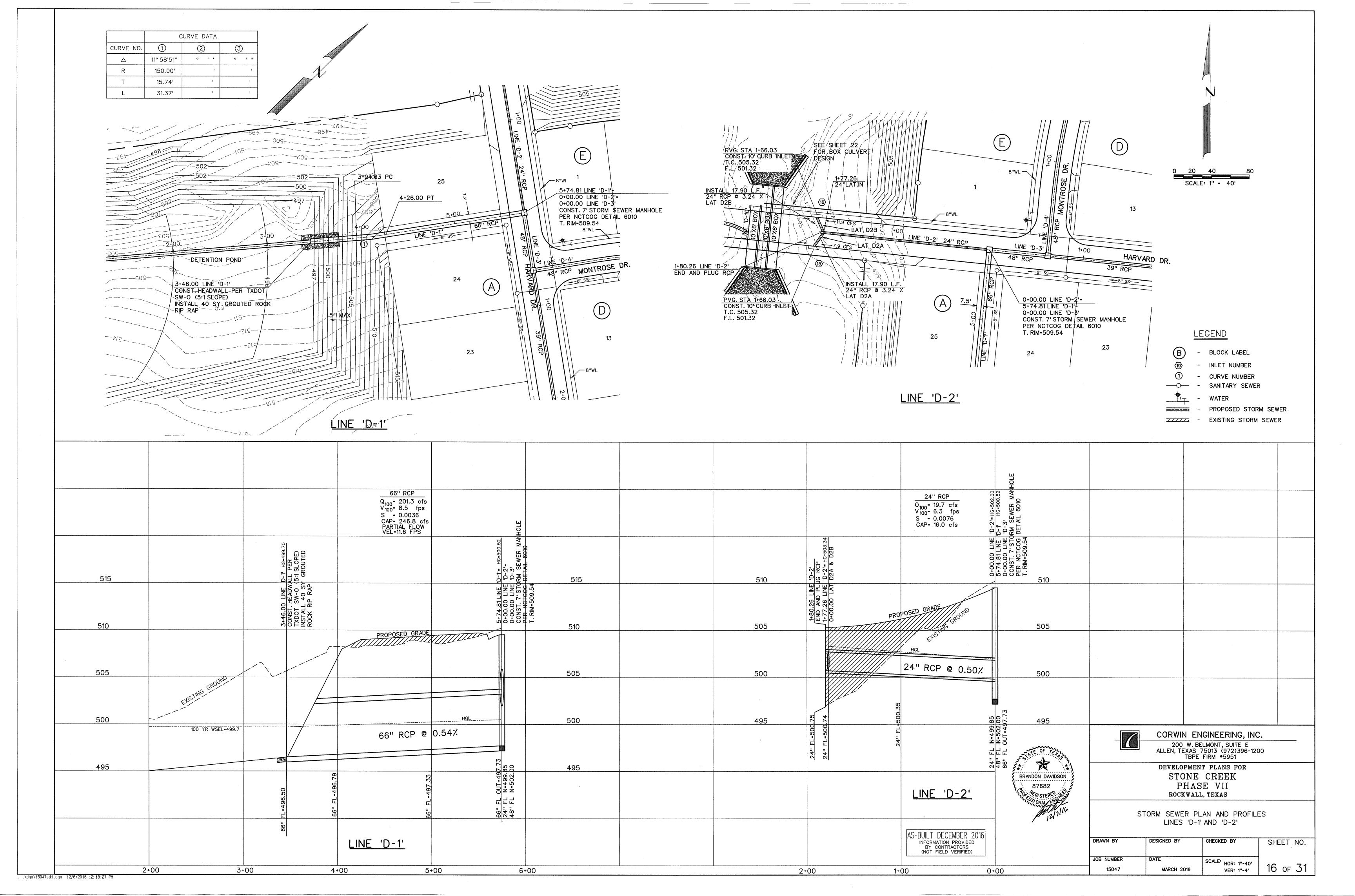


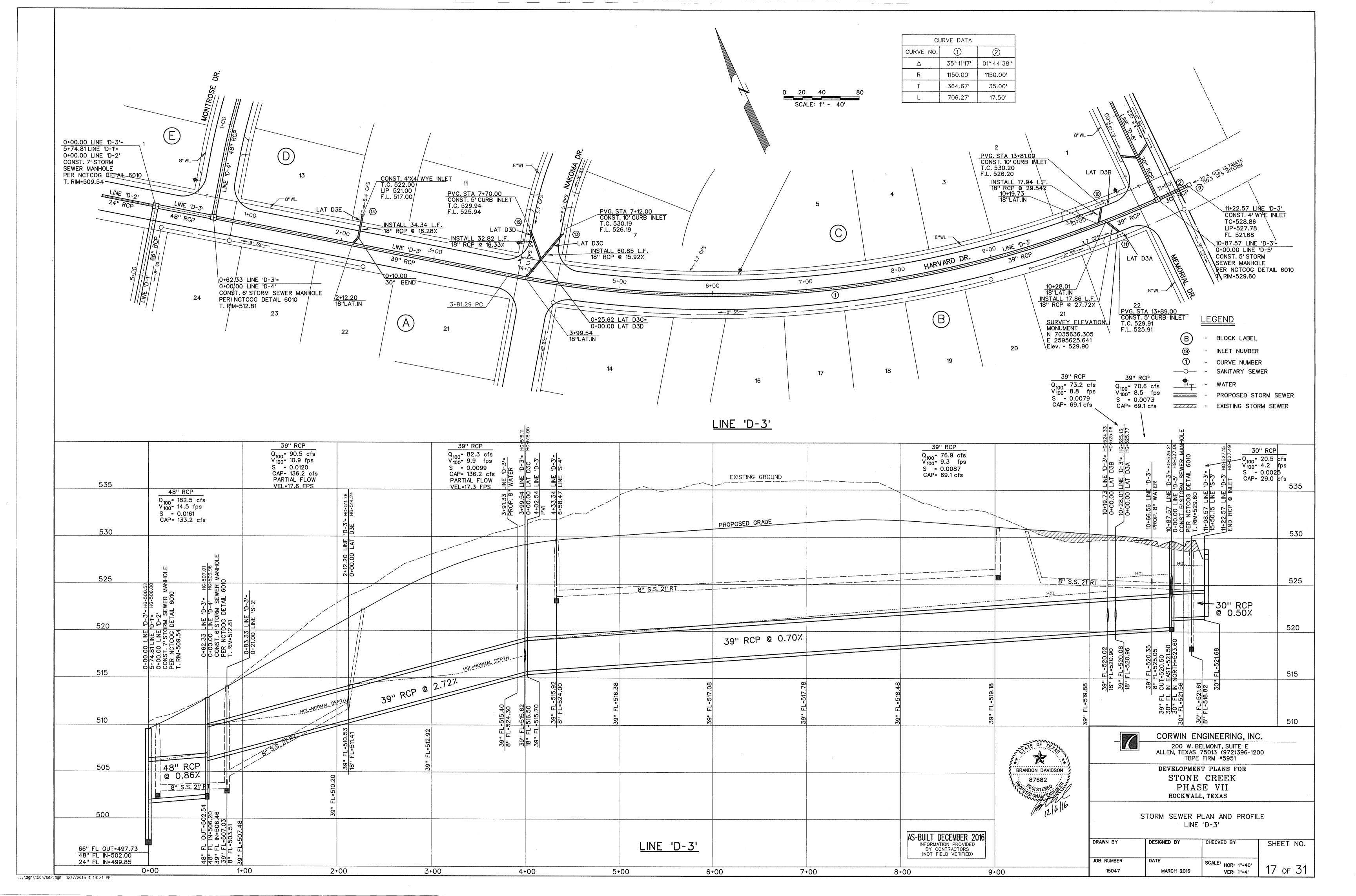


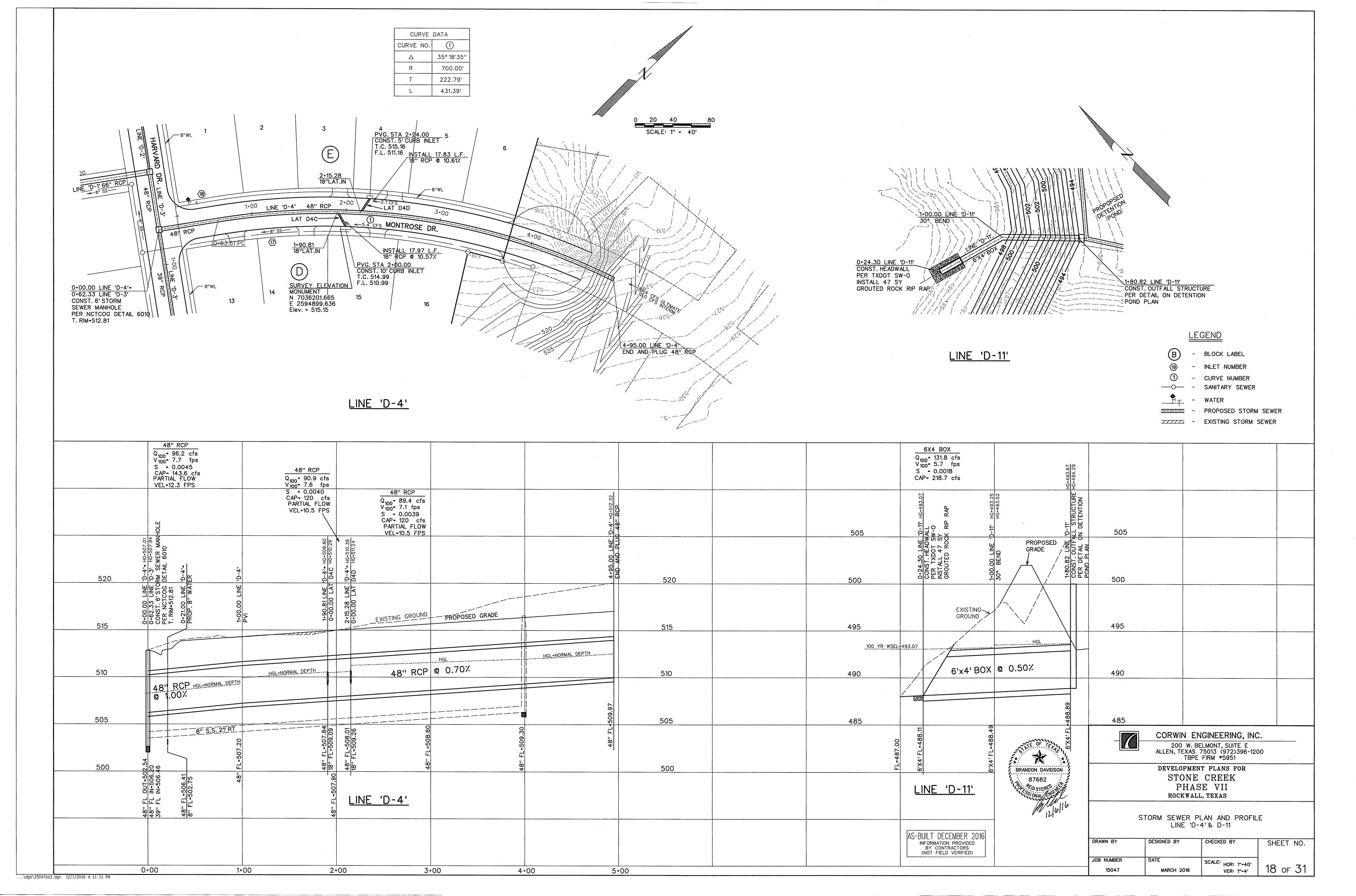


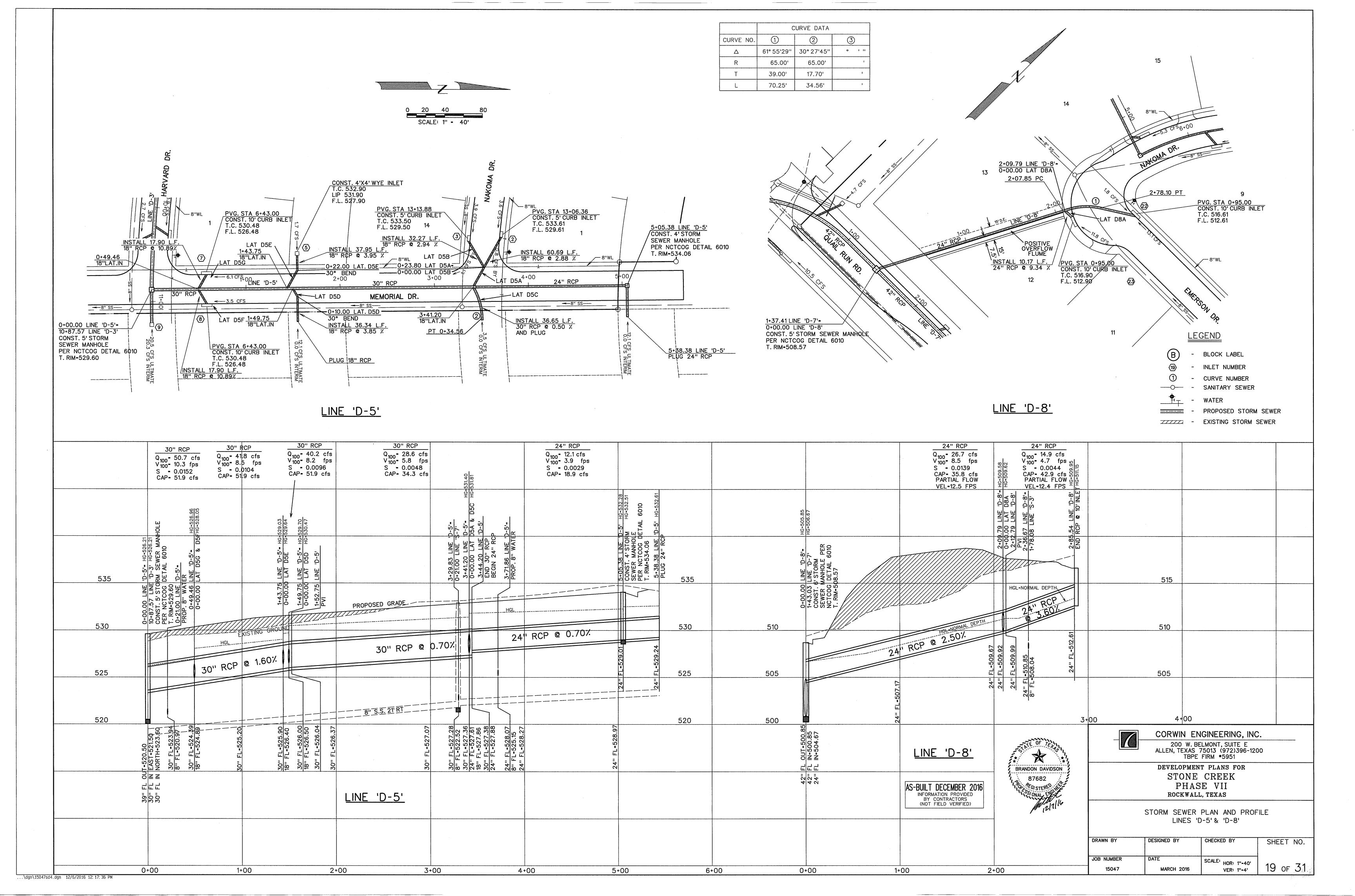


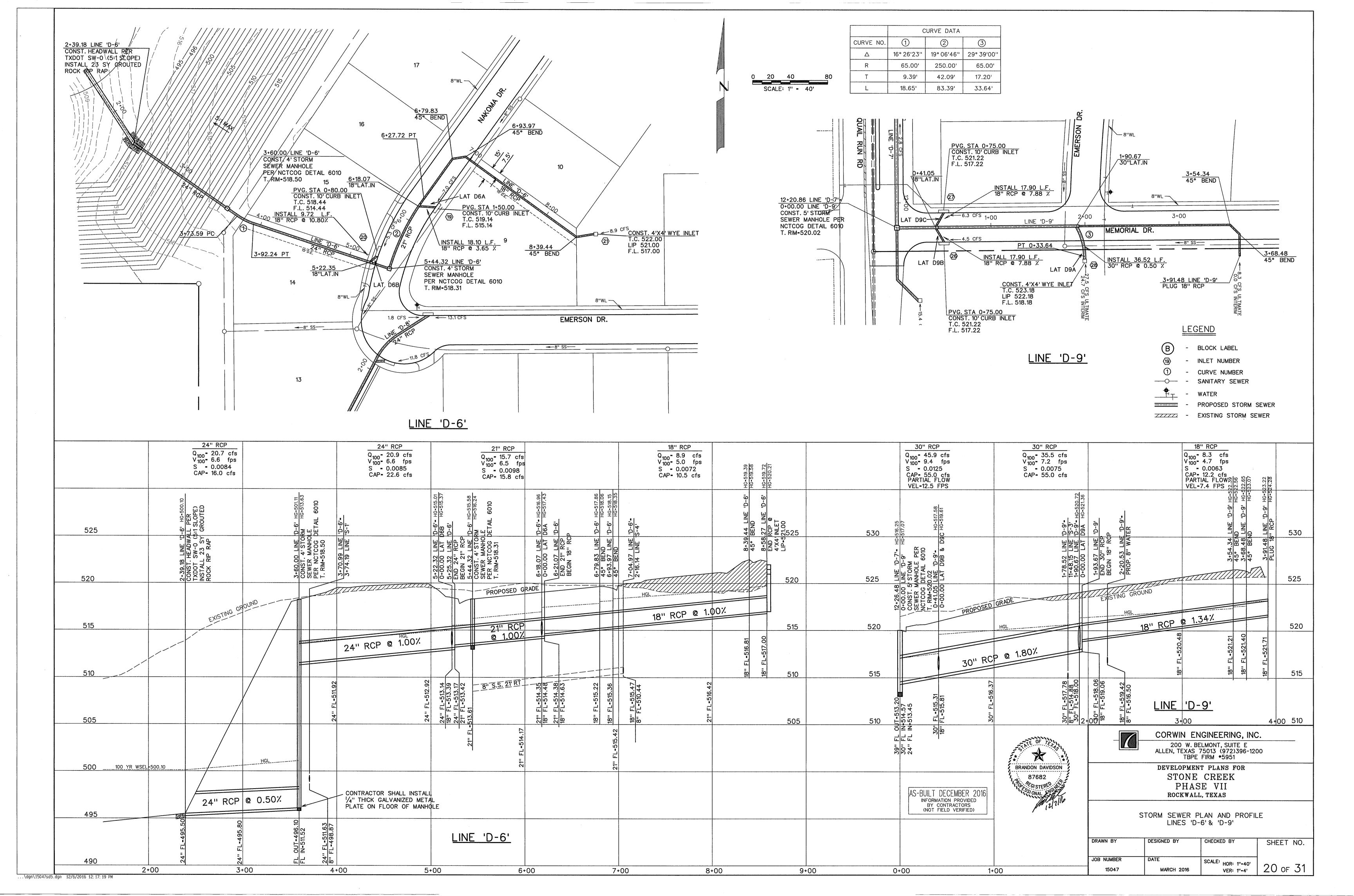


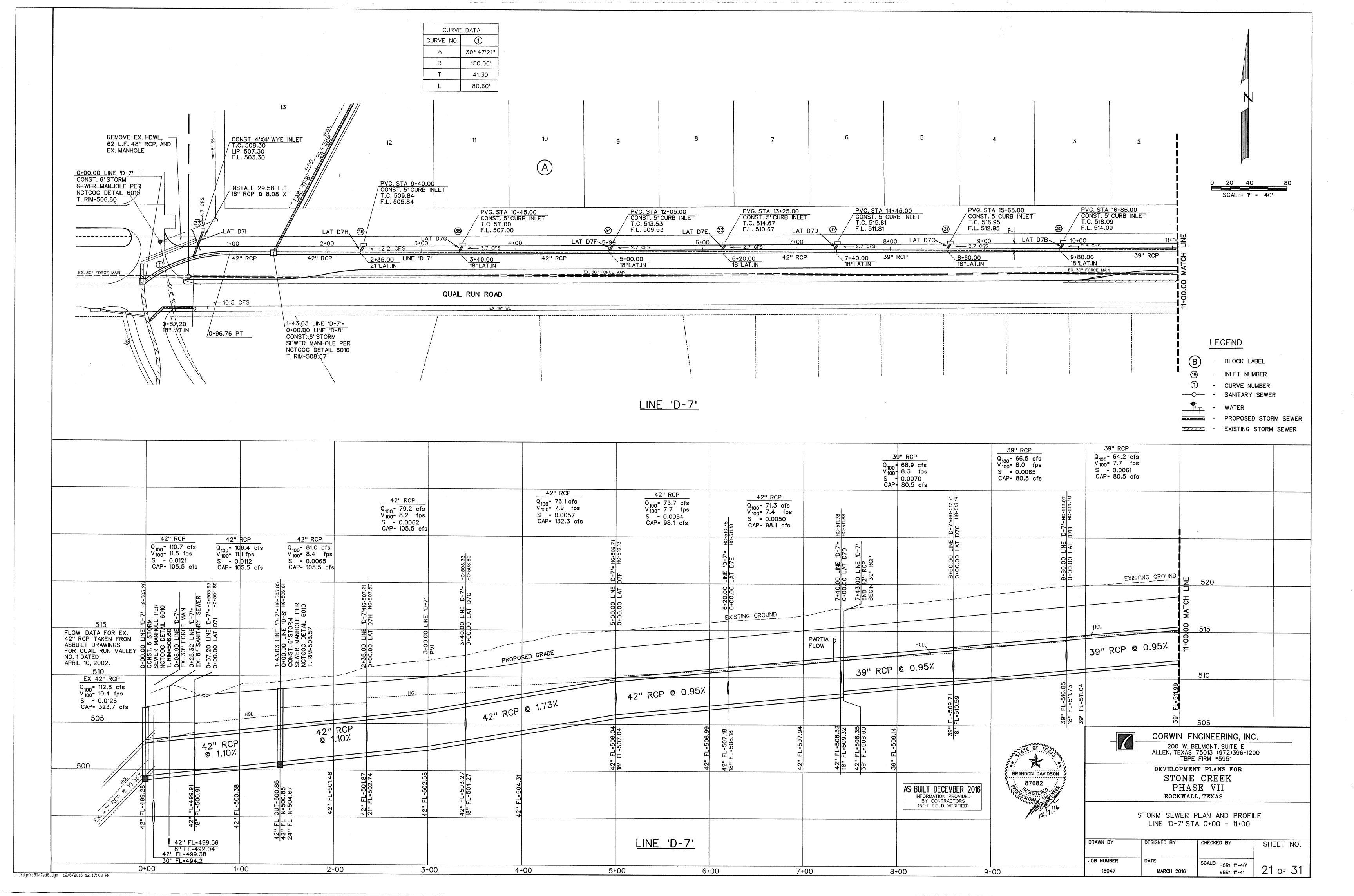


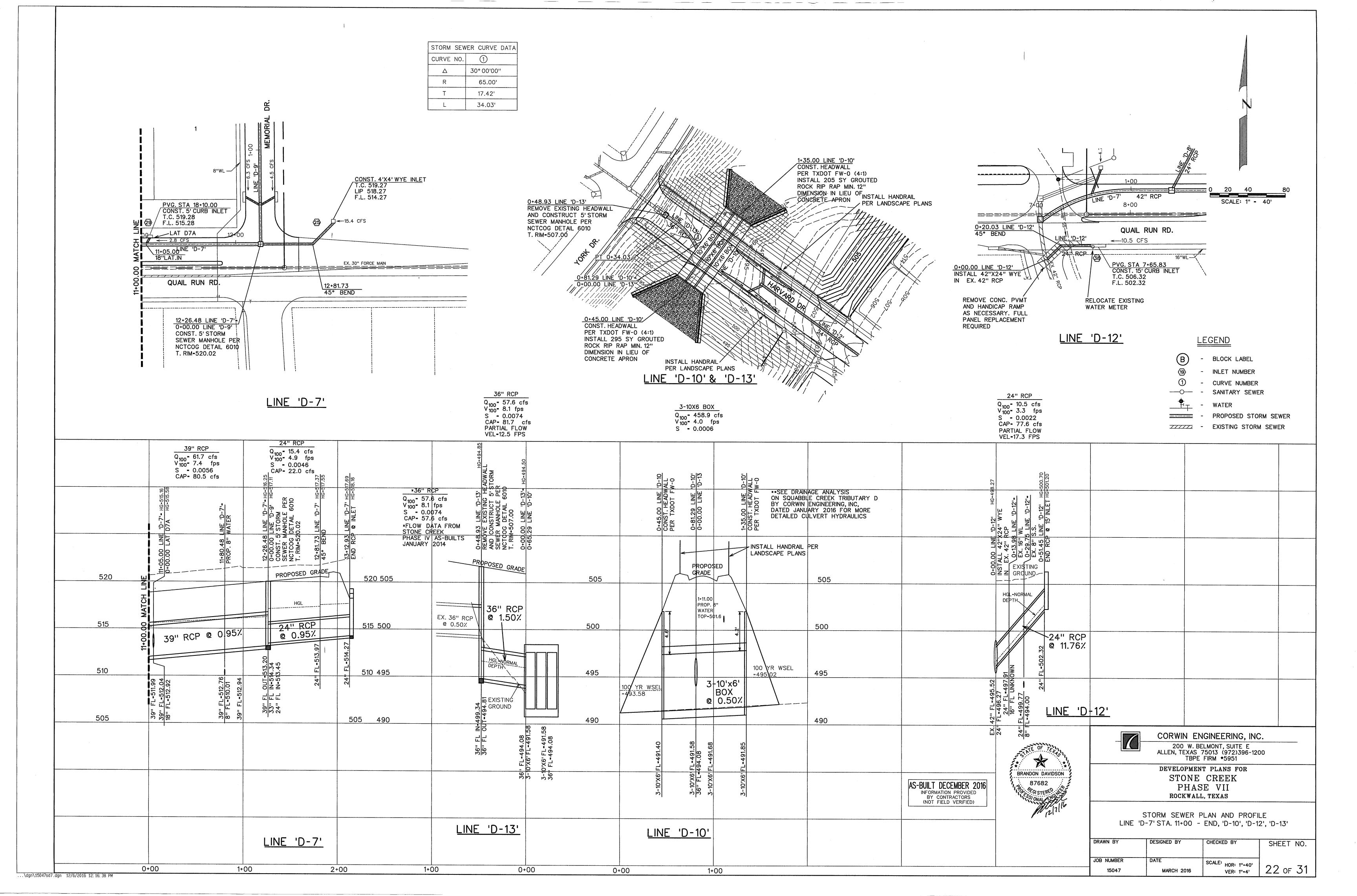


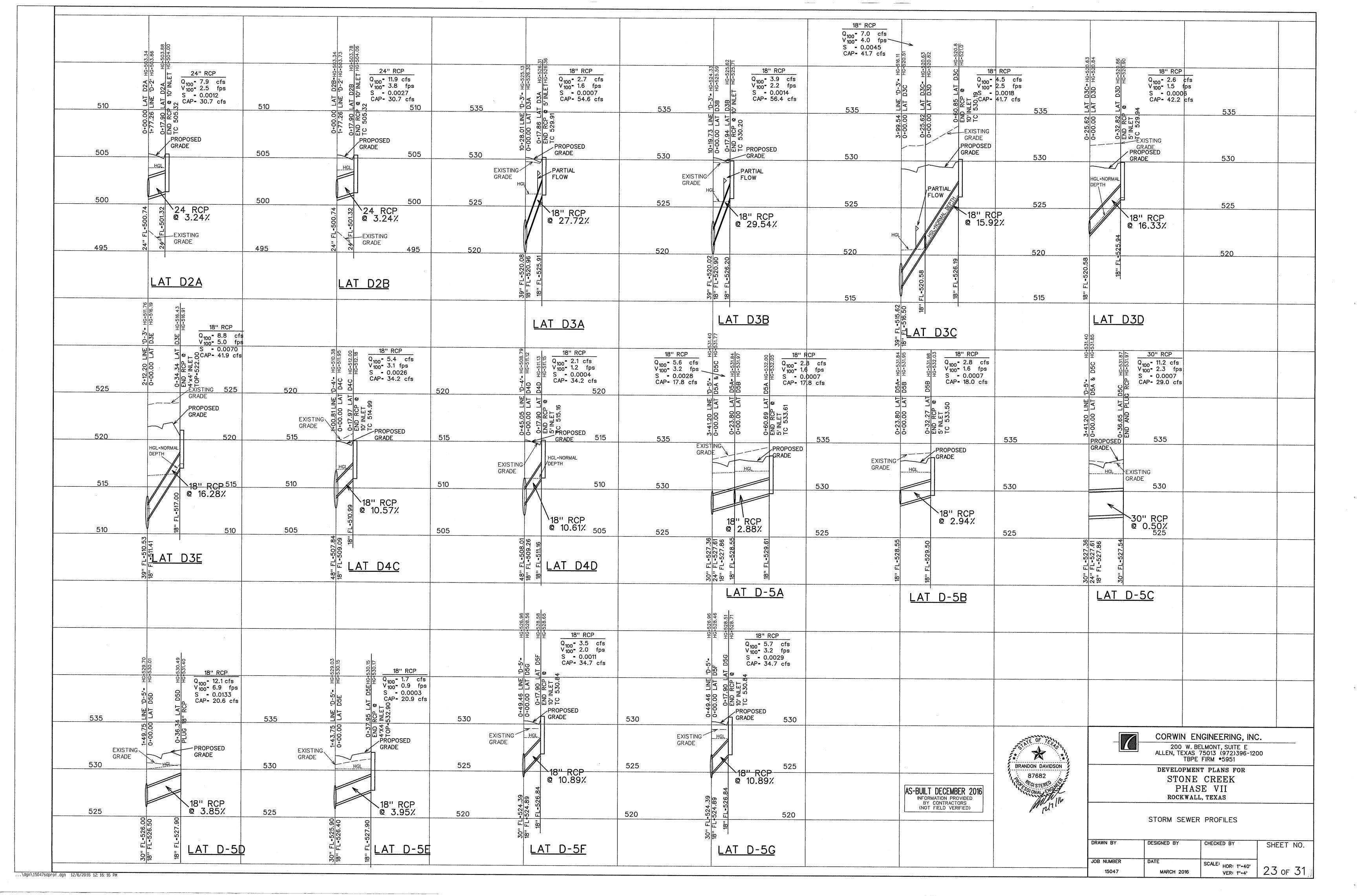


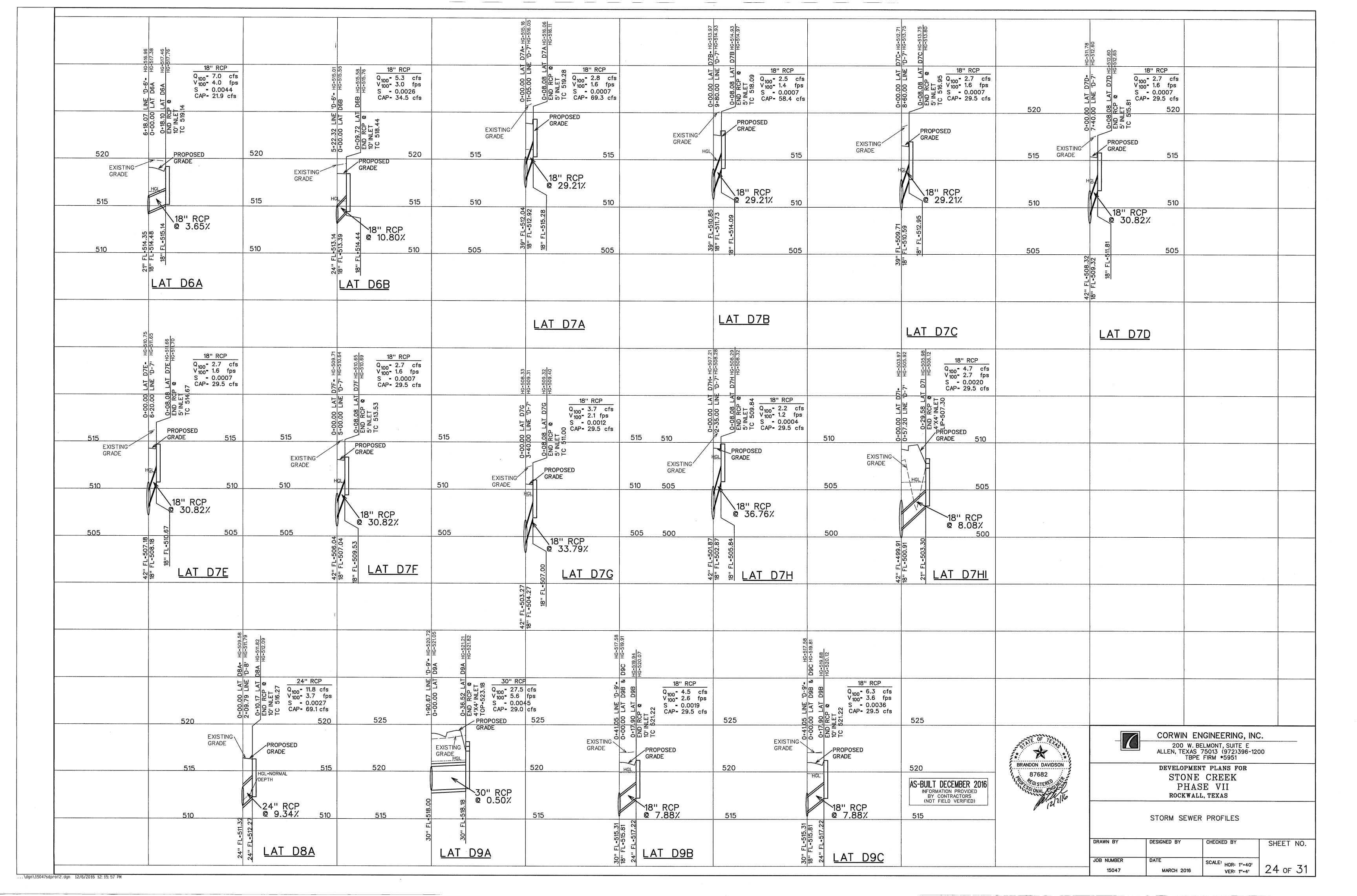


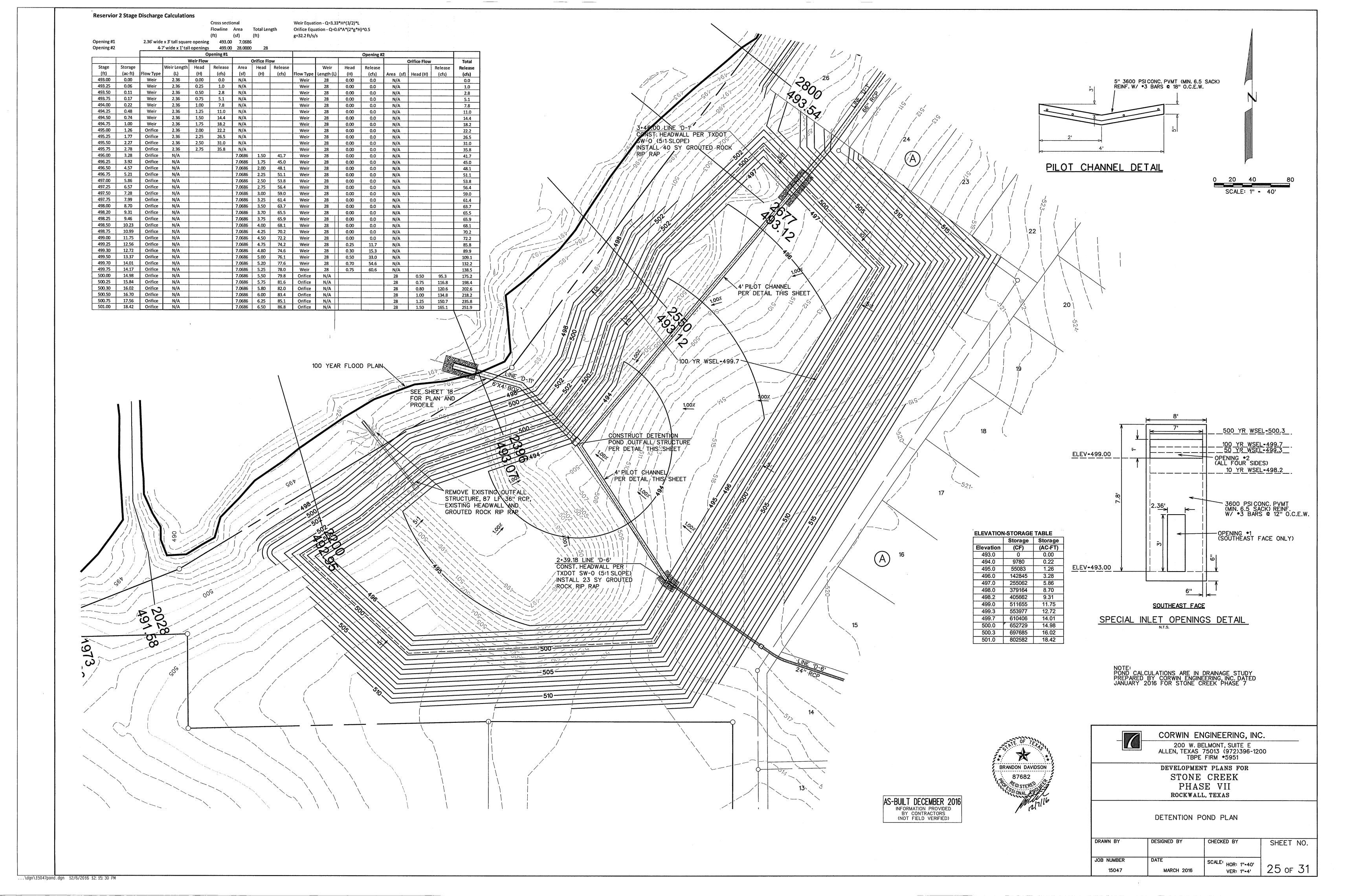


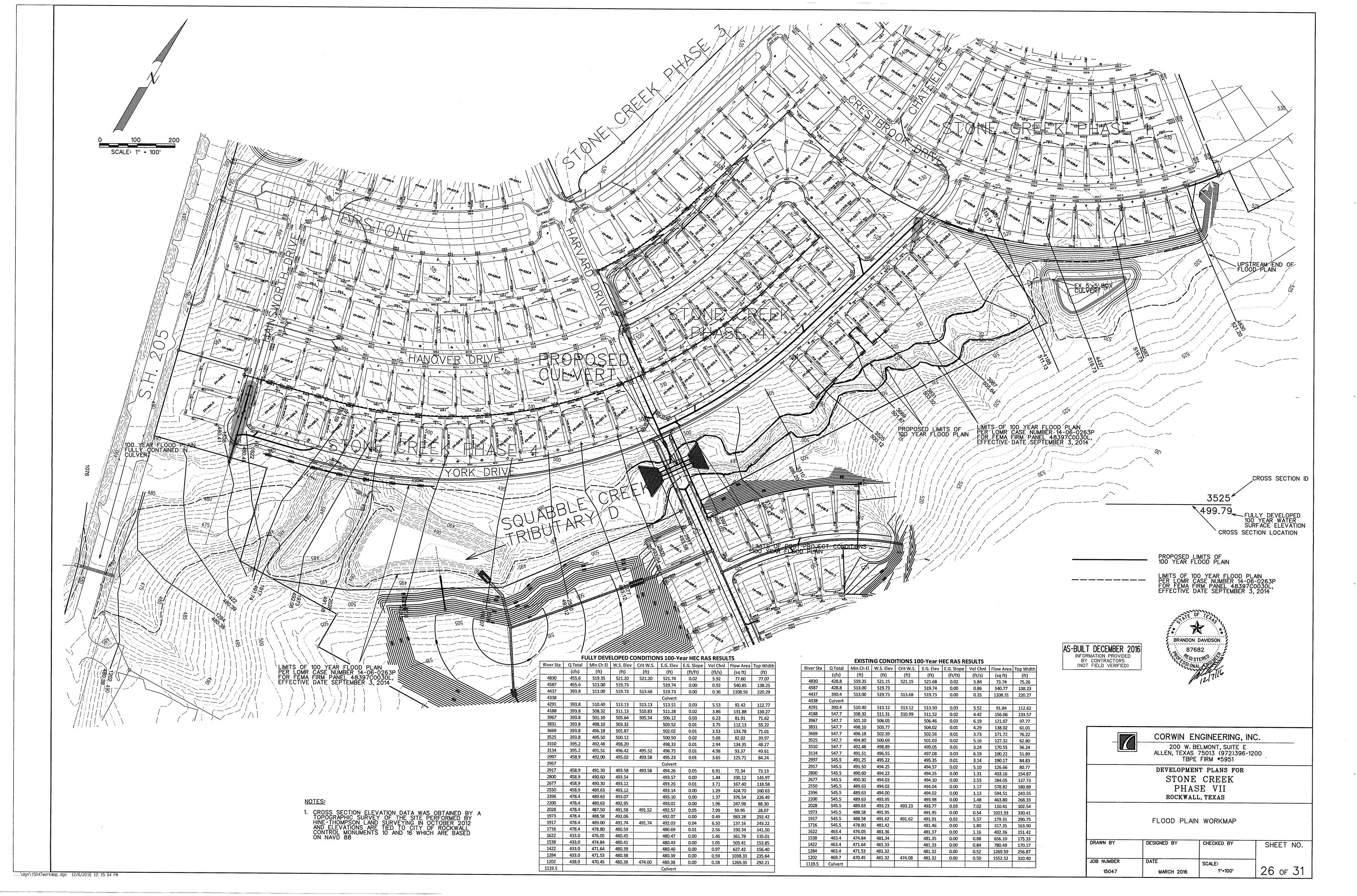


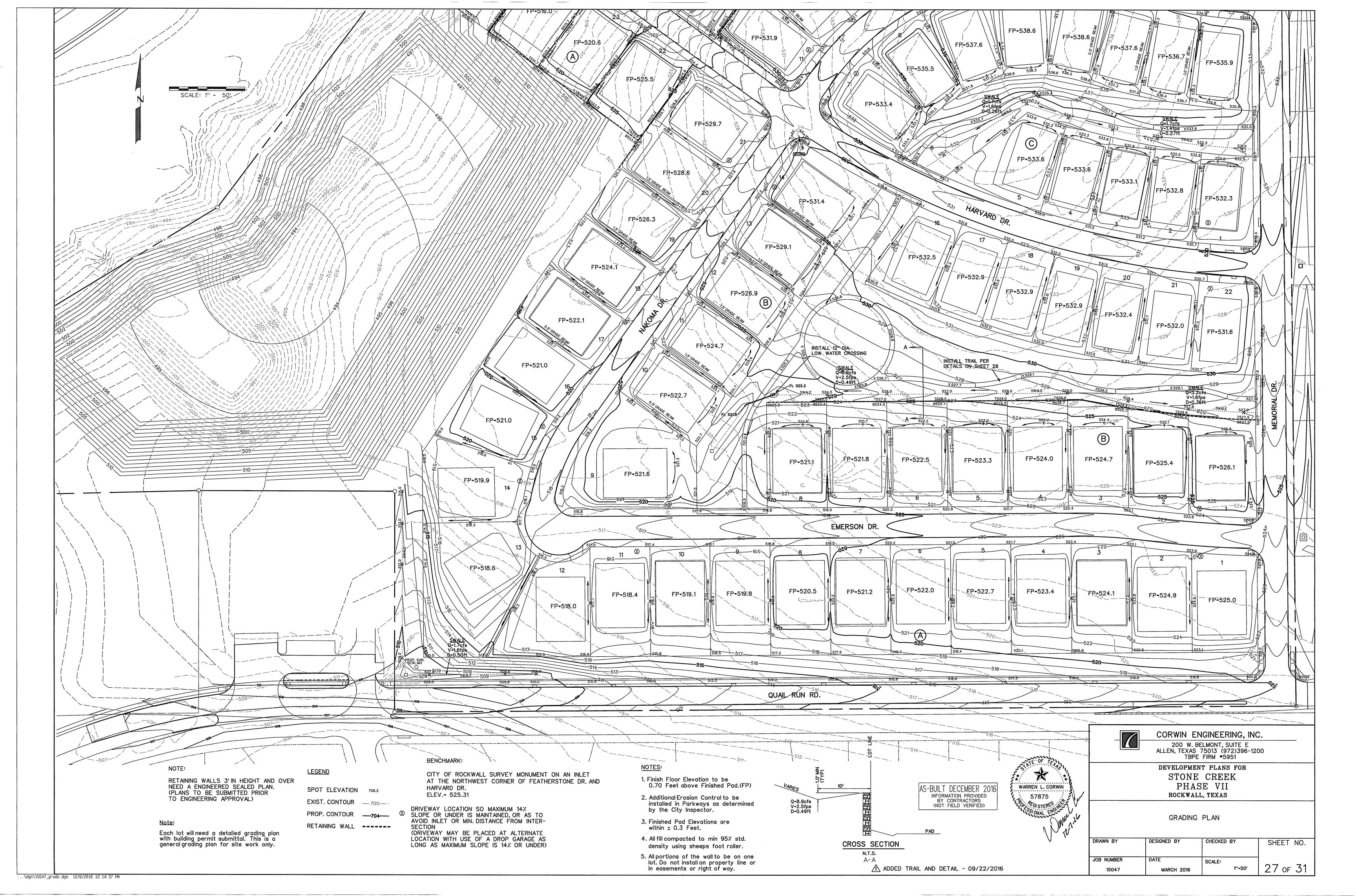


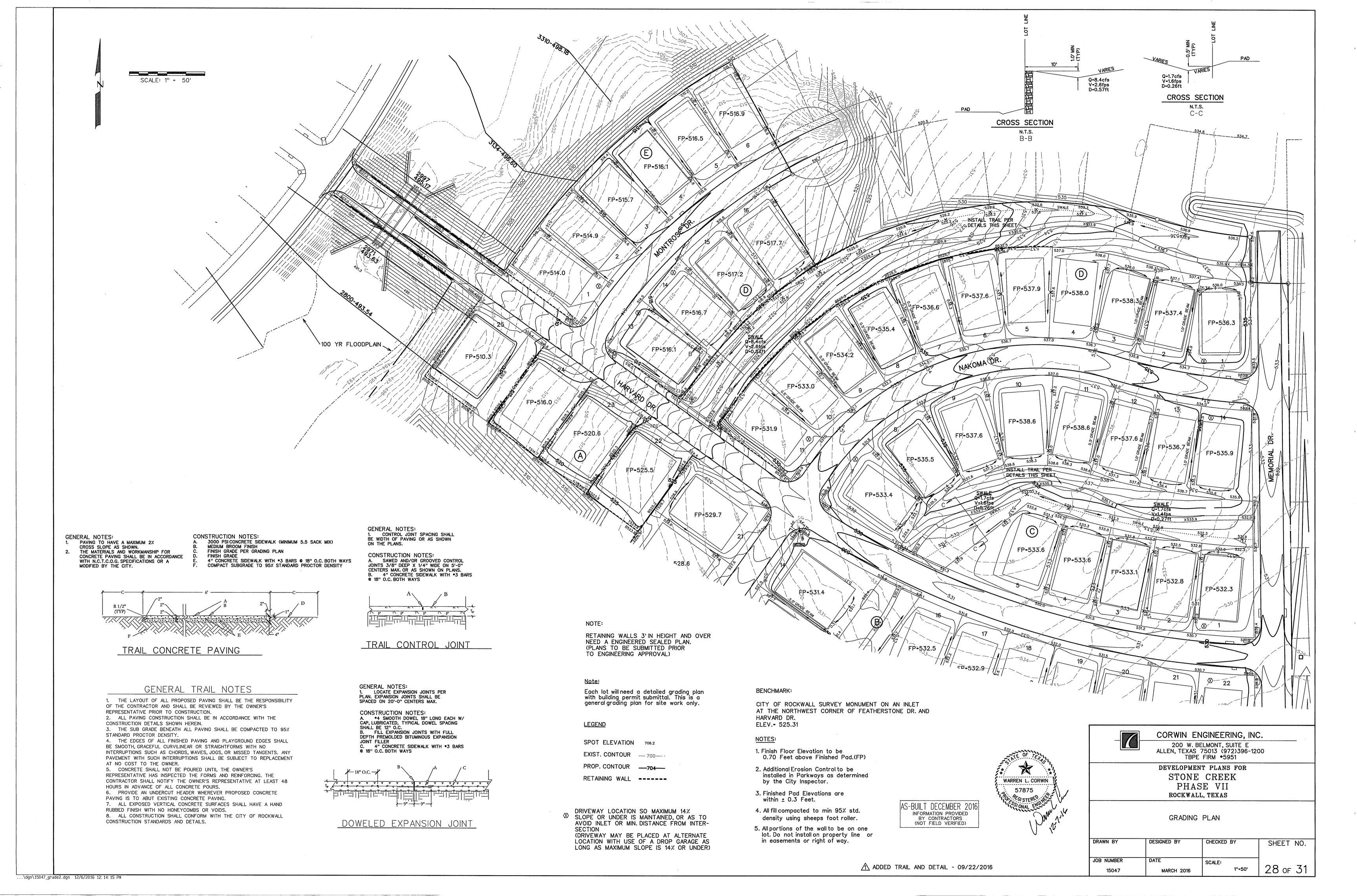




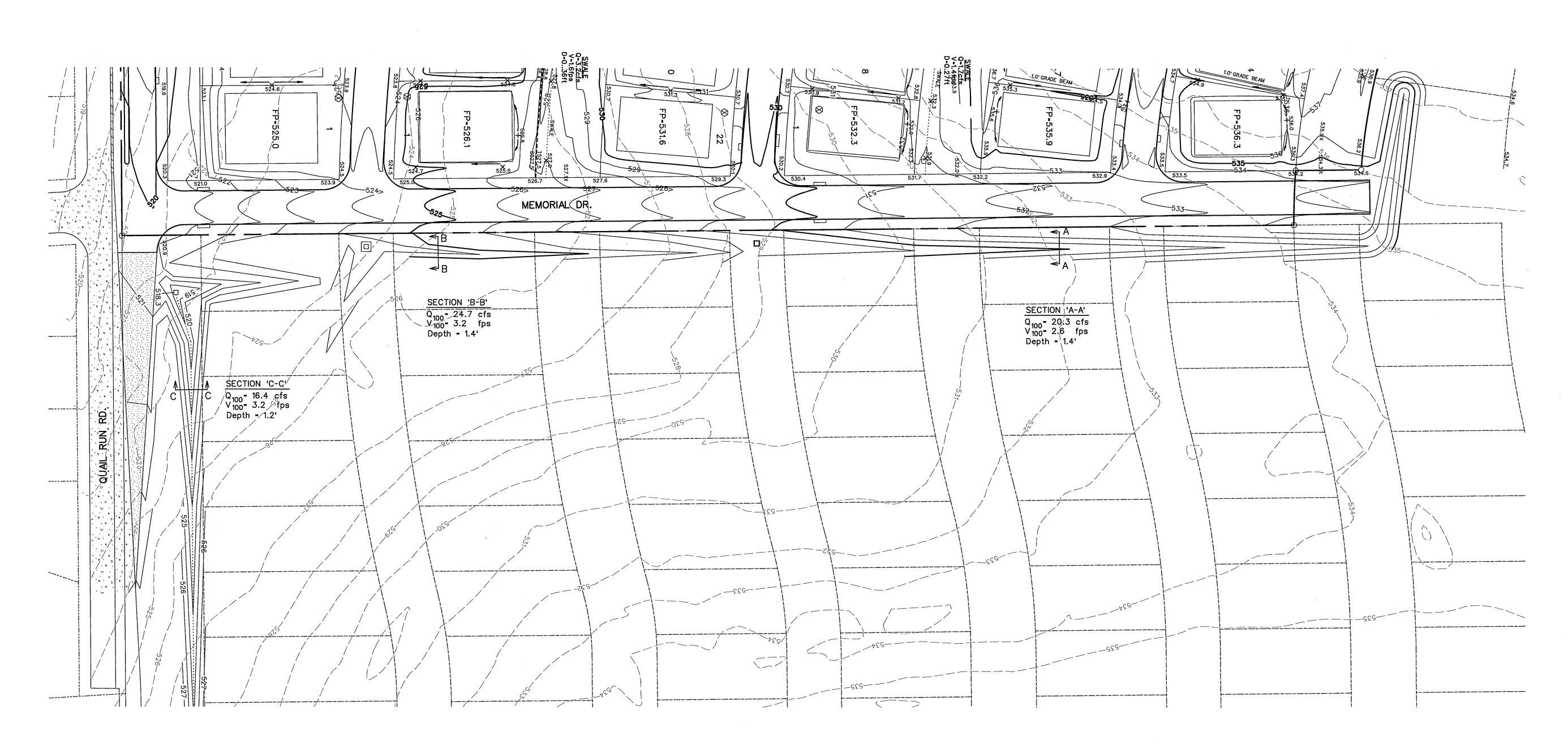












NOTE:

RETAINING WALLS 3' IN HEIGHT AND OVER NEED A ENGINEERED SEALED PLAN. (PLANS TO BE SUBMITTED PRIOR TO ENGINEERING APPROVAL)

Note:

Each lot will need a detailed grading plan with building permit submittal. This is a general grading plan for site work only.

<u>LEGEND</u>

SPOT ELEVATION 706.2

EXIST. CONTOUR — 700— PROP. CONTOUR — 704—

RETAINING WALL -----

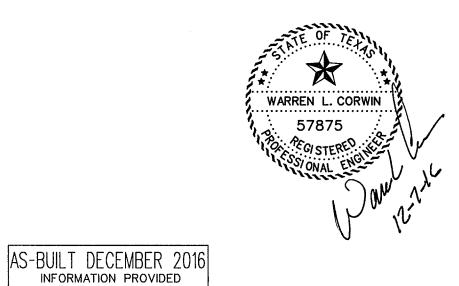
BENCHMARK:

CITY OF ROCKWALL SURVEY MONUMENT ON AN INLET AT THE NORTHWEST CORNER OF FEATHERSTONE DR. AND HARVARD DR. ELEV. = 525.31

DRIVEWAY LOCATION SO MAXIMUM 14%
SLOPE OR UNDER IS MAINTAINED, OR AS TO AVOID INLET OR MIN. DISTANCE FROM INTERSECTION
(DRIVEWAY MAY BE PLACED AT ALTERNATE LOCATION WITH USE OF A DROP GARAGE AS LONG AS MAXIMUM SLOPE IS 14% OR UNDER)

NOTES:

- 1. Finish Floor Elevation to be 0.70 Feet above Finished Pad.(FP)
- Additional Erosion Control to be installed in Parkways as determined by the City Inspector.
- Finished Pad Elevations are within ± 0.3 Feet.
- 4. All fill compacted to min 95% std. density using sheeps foot roller.
- All portions of the wall to be on one lot. Do not install on property line or in easements or right of way.



BY CONTRACTORS
(NOT FIELD VERIFIED)

CORWIN ENGINEERING, INC.

200 W. BELMONT, SUITE E
ALLEN, TEXAS 75013 (972)396-1200
TBPE FIRM *5951

DEVELOPMENT PLANS FOR STONE CREEK PHASE VII ROCKWALL, TEXAS

GRADING PLAN

DRAWN BY

DESIGNED BY

CHECKED BY

SHEET NO.

JOB NUMBER

15047

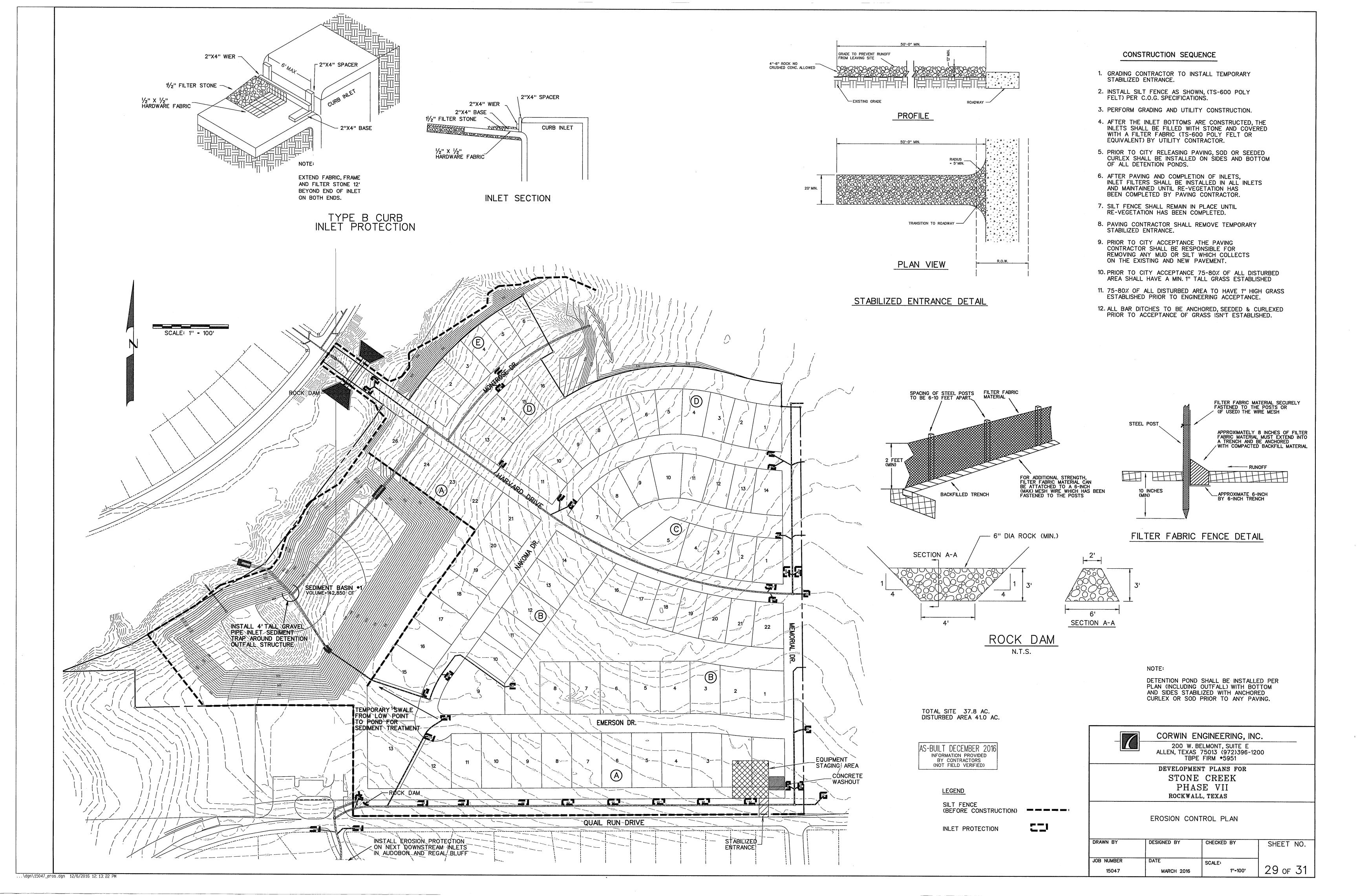
MARCH 2016

CHECKED BY

SHEET NO.

28Bof 31

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The developer shall arrange for the installation of all pavement striping, regulatory, warning and guide signs, including posts, as shown on the plans or as directed by the City. Street name signs shall be installed at each intersection. Examples of regulatory, warning, information and guide signs are as follows:

-Regulatory signs shall include, but are not limited to, STOP, ALL-WAY, YIELD, KEEP RIGHT and speed limit signs.

-Warning signs shall include, but are not limited to, DEAD END, NO OUTLET, DIVIDED ROAD, DIP, and PAVEMENT ENDS.

-Guide signals shall include, but are not limited to, street name signs, DETOUR, direction

Regulatory signs should be used only where justified by engineering judgment or study. All signage plans shall be reviewed and approved by the City of Rockwall Engineering Department and be designed in accordance with the principles described in the current TMUTCD,

-A detailed street and regulatory signage plan is to be submitted to the City of Rockwall Engineering Department. All signs shall be shown in the engineering plans for review and approval. The signage plan shall be shown on a separate signage & pavement marking layout sheet or as a part of the plan & profile sheet. The plan shall identify the specific sign designation, size and location for each sign. Sign standards shall also be included in the

-All signage installed shall comply with the current" Texas Manual on Uniform Traffic Control Devices" and the" Standard Highway Sign Designs for Texas." The sign layout drawings shall show the color and dimensions of all sign face legend components including background color, legend color, borders, symbols, letter size and style.

-The developer shall be responsible for furnishing and installing all regulatory signage, warning signage and street name signage along with all necessary sign mounts in accordance with the approved engineering plans. A sample production sign shall be submitted to the Traffic Signs & Pavement Markings Supervisor for review and approval. The sample shall be directed to the City of Rockwall Service Center located at 1600 Airport Road, Rockwall Texas 75087. The sample sign must be submitted at least 10 days prior to the scheduled installation date.

-For a street with a cul-de-sac end, a standard W 14-2a shall be mounted over the street name blade, if the cul-de-sac is not clearly visible from the adjoining roadway, or is located in excess of 400 linear feet from the adjoining roadway.

-Sign posts shall be $2\frac{3}{8}$ O.D. galvanized steel tube sign post with a galvanized finish.

-Sign clamps and brackets shall be high strength aluminum.

-Street name sign blades shall be double-sided with rounded corners.

-Street Name Blades shall be nine-inch (9") tall flat aluminum. The blades shall be 0.080 inches thick and be a minimum of 36" long.

-The lettering for the street signs shall be 3M Scotch lite Series 3930 high Intensity prismatic material sheeting for street, regulatory and warning signs. and shall be high intensity diamond grade type III prismatic. The street sign background shall be green and the legend shall be white

-The street sign blade must incorporate the current City of Rockwall logo. The logo shall consist of white 3M Scotch lite Series 3930 high intensity prismatic material (product code 3930)

- Block Numbers are required on all street name blades and shall be located on the top right corner of the street blade.

-The lettering for the street blades shall be composed of a combination of lower-case letters with initial upper-case letters. The Clearview TCAD-1W font shall be used. The lettering shall be composed of initial upper-case letters of at least 6 inches in height and lower case letters of at least 4.5 inches in height. For supplementary lettering to indicate the type of street (such as Street, Avenue or Road) shall be composed of initial upper-case letters at least 3-inches in height and lower-case letters at least 2.25 inches in height. Abbreviations may be used (for example St., Ave., or Rd) except the street name itself. The supplementary lettering shall be located at the lower right corner of the street blade, under the block number.

-The street blade sign shall consist of green 3M Scotchlite Series 3930 high intensity prismatic material background - (product code 3937). The lettering shall consist of white 3M Scotchlite Series 3930 high intensity prismatic material (product code - 3930). The background sheeting shall be white 3M 3990 high intensity prismatic material. The background material shall be' applied to the full width and height of the sign blank leaving no metal exposed. The background material shall be one continuous piece of material. Patching of background material is not allowed and any sign with patching material of any type will be rejected by the City.

- Alternative Option:
As an alternative, the foreground color may be green transparent Scotch lite
ElectroCut1177 film (E.C. film). Lettering shall be cut out and removed producing a single continuous piece of green transparent film material.

All street and regulatory signage shall be installed, inspected and approved, prior to final acceptance of the project. This inspection typically takes place as part of the engineering department's final walkover. Any sign related issue/issues will be noted on the projects final

CORWIN ENGINEERING, INC.

200 W. BELMONT, SUITE E
ALLEN, TEXAS 75013 (972)396-1200

TBPE FIRM *5951

DEVELOPMENT PLANS FOR STONE CREEK PHASE VII ROCKWALL, TEXAS

SIGN AND LIGHT PLAN

DRAWN BY

DESIGNED BY

CHECKED BY

SHEET NO.

JOB NUMBER

15047

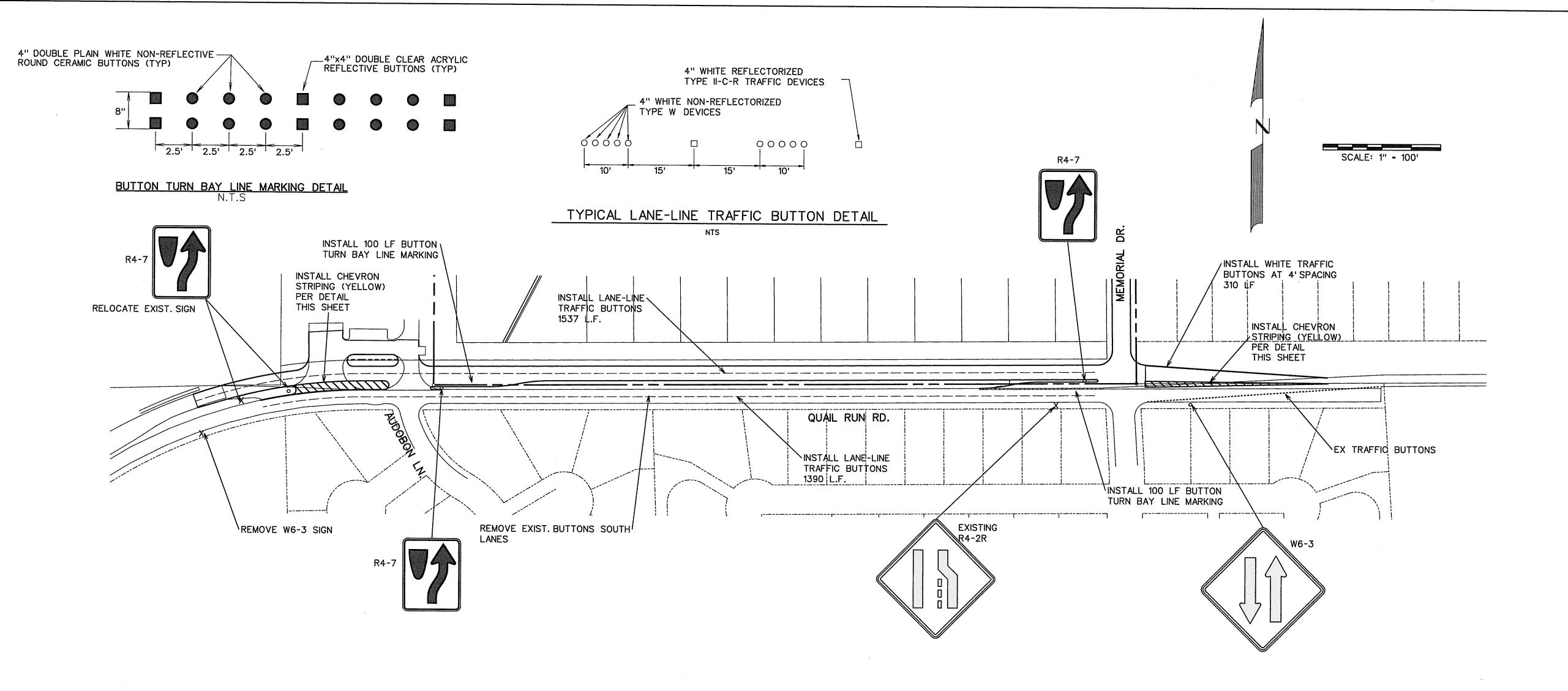
MARCH 2016

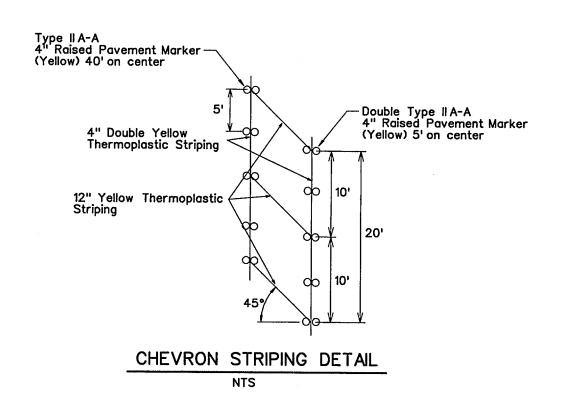
CHECKED BY

SCALE:

1"-100'

30 OF 31





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AS-BUILT DECEMBER 2016
INFORMATION PROVIDED
BY CONTRACTORS
(NOT FIELD VERIFIED)



CORWIN ENGINEERING, INC.
200 W. BELMONT, SUITE E

200 W. BELMONT, SUITE E ALLEN, TEXAS 75013 (972)396-1200 TBPE FIRM *5951

DEVELOPMENT PLANS FOR STONE CREEK PHASE VII ROCKWALL, TEXAS

QUAIL RUN TRAFFIC SIGNAGE PLAN

DRAWN BY	DESIGNED BY	CHECKED BY	SHEET NO.
JOB NUMBER	DATE	SCALE:	
15047	MARCH 2016	1"=100'	31 of 31